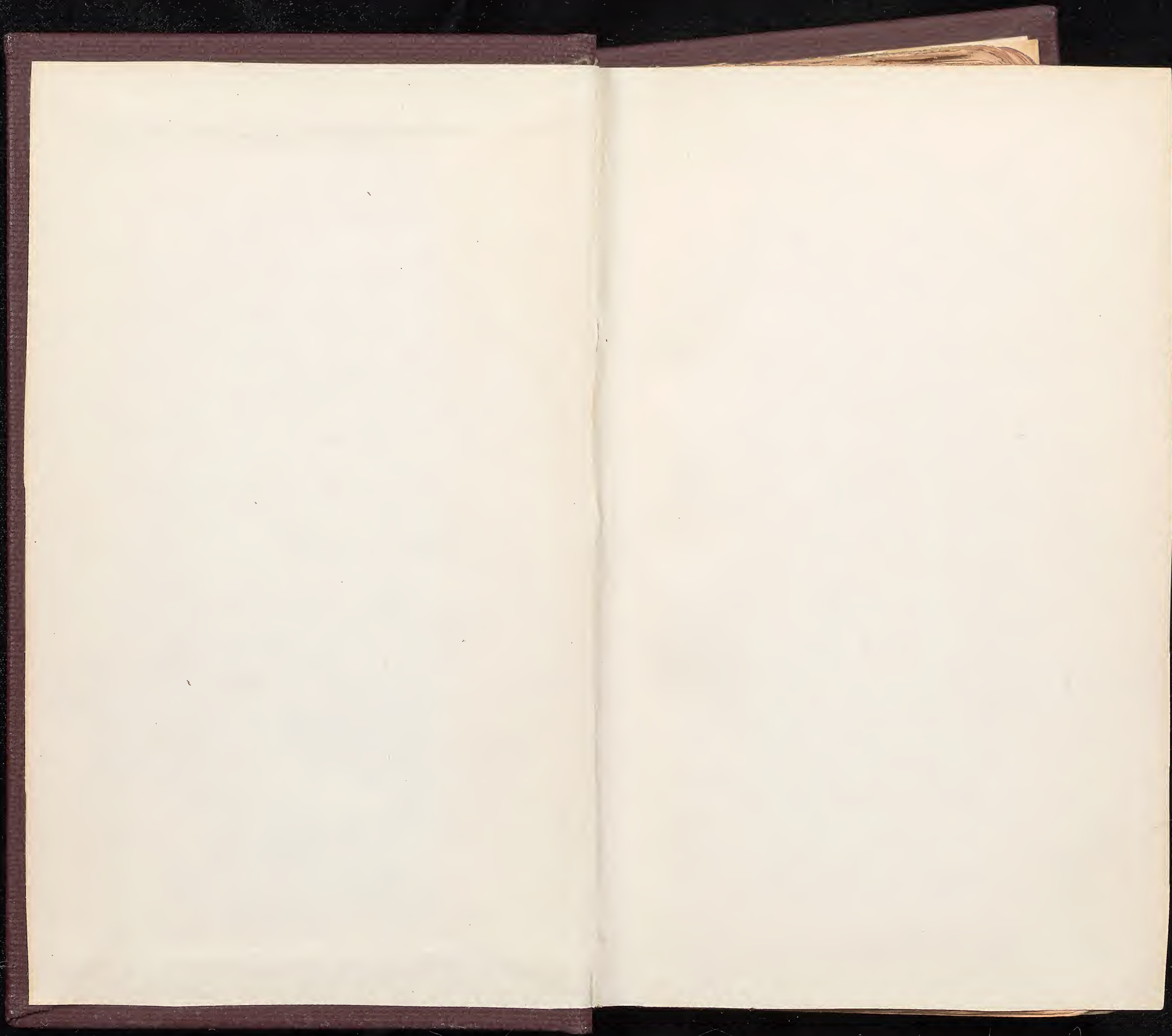


BOOK

III

10

RY



A. S. Hitchcock

Systematic Agrostology

Dept. of Agriculture

Washington D C

1908

book 1

2500 — 3545

Manhattan Kan

2500 May 25 - Prairie

Pan. *presicis* ^{McC} Small bunches
recognized by the fuzzy
dark staining, hispid hairs

2501 Pan *perlongum* Nash

Small bunches, culms bending
over light green

Pan. *perlongum*

2502 Pan *scribnerianum* Nash

Pan. *scribnerianum*

Small bunches. Found
particular in hill open
places in the grass. Culms
erect or somewhat spreading

2503 May 30 Dry prairie
on top of hills.

Koler. *extata*

Small bunches, erect,

2504 May 30 *Lebergii* ^{Veg}

Panicum *scribnerianum* ^{scribnerianum}

Prairie, wet soil, heads dark.

erect, large bunches. Panicle
very loose, soft, gray from the
villous spikelets

2505 May 30

Panicum villosianum Vase
Resembles *P. procurrens* but
seems different, blades more
broad.

Prairie west of Bigfork
hay field, same locality as 2508

2506 May 30

Panicum linearifolium Link
I don't recognize this, very

scarce. Prairie same loc. as 2508

2507 May 30

Poa

In prairie, same loc. as 2508

Forms bluish green patches

Blades fine sword. Panicle narrow
upper blade narrow & sharp pointed

(cuneate) ligule awn long

grows with *Poa pratensis* which

it resembles. Lower blade

of panicle opposite & only on the

side of leaf. Rootlets slender

& delicate. Culms single or 2

at clump

508 May 30

Agropyron Smithii Rydb

Prairie same loc. as 2508

Forms bluish green patches, culms
stiffly erect. Rootlets deep
reddish slender, blades flat
when fresh but some rolling

2509 May 30

Panicum perlongum Nash

Prairie same loc. as 2508

A larger bunch than usual.

The small bunch became de-

tached from large one, both

small good bunches.

510 May 30

Agrostis hiemalis

Prairie, same loc. as 2508

Small erect bunches, panicle

purple

511 May 30

Panicum debuerianum Nash

Prairie same loc. as 2508

Rather more branched than

usual.

2512 May 30

Bambusa distachyoides
High prairie. Part 100 ft
in separate patches.

2513 May 30

Cladonia verticillata
High prairie

2514 May 30

Eclonia oblonga
Along banks of river
High prairie. erect bunches

2515 May 30

Festuca oviflora
High prairie

2516 May 30

Hordeum
High prairie. Especially
abundant in slowly grazed
pastures.

2517 June 3

Barren 4 mi east Manhattan
Koeleria cristata

2518 June 3 *Poa liliifolia* (Vas)

ditto. - 2504
Barren

2519 June 3

ditto. - large bunch (1/2 taken)
Poa serotina Nash

2520 June 3

ditto
Stipa spartea

2521 June 3

along ditch, at big swamp
part of *brachyotum* - erect
Phalaris arundinacea

2522 June 3

ditto. large bush 1 ft in diam
Paricugan nervosa

2523 June 3 *Poa huac. silvicola*

Pasture, spring, 5 mi e. Manh.
Black foot scrub.
Poa compressa

2524 June 3

ditto.
Poa praecox Hac

2525 June 3

ditto. large clump in shade of trees
some of the shrubs. Summer
Poa serotina Nash

2526 June 3

Alopecurus griseus
springy ground ditto.

2527 June 3

Tripsacum dactyloides
Sandy woodland 2 mi. W.
St. George.

2528 June 3 *Panicum*

huachucae Ash
Pan. head, sp. ?
woods, sand hills, W. St. George.

2529 June 3

Festuca obtusa Sprang
Rich woods, common ditto.

2530 June 3

Brodiaea pinnatifida
Rich wooded hillside in eastern
deep shade. ditto

2531 June 3

Elymus robustus
Prairie along R.R. 3 mi. W. St. George.

2532 June 8

Bromus secalinus
Weed in orchard

2533 June 9

Sporobolus cyllaneus
Sandy soil near R.R. depot.

2534 June 9

Paspalum stramineum
ditto. nearly erect, glumes
green, soft, white

2535 June 9

Panicum autumnale
ditto.

near St. George Texas

2536 June 11

Amorpha
gravel, prairie, clump in D.

Alamogordo June 12

2537 *Agrostis stolonifera*
along irrigation ditch

2538 *Polygonum monspeliense*
ditto - annual

2539 *Polygonum heterophyllum*
ditto - perennial

2540 *Silene* ?
ditto here native black fl.
Cult. perennial - *chrysantha*

2541 *Stefania*
Rocky hill side west of house
branches all considerably past
prime.

2542 *Aristida*
ditto

2543 *Aristida*
ditto

Cloudcroft June 13^{N.M.}

2544 *Poa* (prostrata?)
hillside near house. Color glaucous
& leaves stiff, erect & folded.

2545 *Poa*
Wooded hillside among fir & spruce
not roots.

2546 *Poa* *prostrata*
Seems to be the same as 2544
and collected several hundred ft
further down the canyon road.

2547 *Poa*
Same loc. as 2546. Annual

Passadena California 16

2548 *Polygonum multiflorum*
along roadside

2549 *Poa annua*
ditto

2550 *Bromus unioloides*
ditto

2551 *Bromus hordeaceus*
ditto

2552 *Lamarkea aurea*
ditto

2553 *Lolium multiflorum*
ditto

2554 *Boraginaceae*
ditto

2555 *Lolium temulentum*
ditto

2556 *Bromus mex?*
ditto

2557 *Bromus*
ditto

2558 *Bromus*
ditto

2559 *Quercus falcata*
ditto

10456

Santa Barbara June 17. 2572 Distichlis spicata

2560 Parapholis incurva

Dry salt marsh with Distichlis
annual, dead, forming patches.

2561 Distichlis spicata
pistillate, ditto

2562 Distichlis spicata
ditto

2563 Monandrophloe littoralis
ditto. stems usually creeping

2564 Aeluropus barbata
Wild goose annual, along roadside

2565 Aeluropus stolonifera
along road side monsp.

2566 Polypogon monsp.
along road side

2567 Phalaris
dead along roadside

2568 Bromus rigidus
ditto

2569 Hordeum
ditto

2570 Bromus molliformis
ditto

2571 Bromus
ditto

Ward, dense stall, did not
try to get absolute = 2561

2573 Distichlis = 2561 spicata

Sand along shore. Dig down to
get root stock, but too deep.

2574 Elymus concolor

Large clump, along roadside ditch.
Panicle, all compound.

2575 Polypogon

Ward in grass field

2576 Aeluropus stolonifera
Spring place, very large.

2577 Lolium multiflorum

moist ground along bank, variable
sh. awns & revolvence of spikelets &
sign of plant, are down & here.

2578 Aeluropus Elymus
ditto

2579 Bromus commutatus
ditto

2580 Lolium multiflorum
on rock, ditto

Aeluropus (solida?)

Ward in grass field, slender leaves
ditto multiflorum, ditto

root stalks. Along bank of clay.
2581 *Mercurialis laevipes pseudolaevipes* Wiegand
dry bank. perennial. can. drooping
2582 *Elymus cinereus*
moist shady place, root deep
to ground too hard to get it
blades pubescent.

2583
Dry wooded hill
Castroville Calif June 18

2584 *Elymus*
Along by track

2585 *Distichlis*
Marsh along by track, forming dense
mosses - prostrate only

2586 *Distichlis*
Dry roadside

2587 *Phalaris*
Old place cut & throwing up
new shoots. along by track

2588 *Phalaris*
along by track = 2587

2589 *Alypsylon*
Along by track in gravel. anthers longer than filament

2590 = 2589
anthers shorter than filament

2591 *Lolium nuttallianum*
ditto. single much in flower
usually purple
2592 *Lolium nuttallianum*
ditto

2593 *Festuca*
Spring place near ocean

2594 *Hordeum*
Wet field near ditto

2595 *Ligusticum rotundifolium* L
boggy place ditto

2596 *Poa Douglasii*
Sand, dunes near sea

2597 *Brya*
Boggy place ditto

2598 *Festuca*
ditto

2599 *Bromus*
ditto in field.

2600 *Bromus*
ditto in field.

2601 *Lolium*
in bog & in bog ground
also a culm with branched
panicle.

- 2601 Festuca
on crevice of rock near sea
- 2603 Sedum
ditto. Is this the same as 2602?
- 2604 Poa
moist depression in sand dunes
near sea
- 2605 Arum
along by track
- 2606 Distichlis
depression in sand dunes
near sea.
- 2607 Agrostis
ditto.
- 2608 Poa?
ditto in dry sand.
- 2609 Festuca
Boggy place in Pine woods
- 2610 Agrostis?
ditto.
- 2611 Polypogon
ditto
- 2612 Hordeum
ditto
- 2613 Agrostis
dry pine woods

- 2614 Koeleria?
dry pine woods
- 2615 Elymus
dry pine woods
- 2616 Phalaris
Boggy place in pine wood
Root mostly subterranean.
- 2617 Colanthes
ditto
- 2618 Pharus
dry pine woods
- 2619 Pharus
ditto
- 2620 Melica imperfolia
ditto
- 2621 Stipa
ditto
- 2622 Agrostis
ditto. probably the same as the
small specimens with roots
- 2623 Polypogon?
along street
- 2624 Pharus
along street
- 2625 Hordeum
along street

2626 *Poa annua*
along street

2627 *Ager*?
along street

2628 *Festuca*
along street. seems to be same
I think the same as the species of
the woods that I thought was
perennial?

Los Gatos 800-1000 ft June 21

2629 *Agropyron*
fields.

2630 *Lolium multiflorum*
fields - common.

2631 *Elymus*
Common along road sides

2632 *Bromus madritensis*
fields. common.

2632 $\frac{1}{2}$ *Agropyron* *filiforme*
edge of field

2633 *Agropyron* *filiforme*
shady places - panicle more
central but appears to be
the same as 2632.

2634 *Koeleria*
along edge of woods

2635 *Bromus*
Cesp. Pair. drooping.
1-4 ft high

2636 *Ager*
Wooded hillside - narrow bed

2637 *Festuca*
delt. panicle drooping

2638 *Festuca*
delt. small, leaves slender
on specimen this looks like
I think it is the same as 2637

2639 *Festuca*
along roadside in shade in the
hills.

2640 *Silene*
along roadside, edge of field

2641 *Gastridium*
field.

2642 *Koeleria*
along roadside

2643 *Agropyron*
along roadside, seems same
as 2633

Congress Springs June 22

2644 *Bromus*
shady corner, short and dense
hirsute

2645 *Stipa*

delle

2646 *Phalaris*

delle - tall & slender

2647 *Bromus*

delle on banks, this sown off from the other. In pasture close to some damp

2648 *Polygonum*

along stream

2649 *Bromus*

along road side & woods. The common large *Bromus* which is mostly lost. B. caninus?

2650 *Bromus secalinus*

wood side

2651 *Festuca*

spongy place

2652 *Dischampia elympha*

moist bank

2653 *Bromus*

grows along road side. With 2653 same as 2649, smaller, panicle

rather divaricate!

2654 *Bromus*

clay bank, black, noticeably reddish, basal greenish, panicle & drooping.

2655 *Festuca*

delle, purple

2656 *Melica*

shady bank

2657 *Festuca ovina*

wood side

2658 *Bromus hordeaceus*

delle.

2659 *Calamagrostis? Agrostis?*

clay bank.

2660 *Bromus*

delle, panicle, nodding

2661 *Bromus*

delle, panicle & nodding

but shrubby growth!

2662 *Dischampia?*

side dell.

2663 *Bromus*

Holcus lance

very common at this altitude.

2665 *Poa* (Howell?)

Road side near summit

2666 *Calamagrostis*

Road near summit - wet soil

2667 *Prunella* (Howell?)

Road side dells

2668 *Malva* *imperfida*

Road near summit

2669 *Malva*

Shady ravine near summit

hillsides, lower reaches of

open, spreading, & anthers

in rocky woods.

2670 *Elymus*

Clay bank at summit, flowers

2671 *Elymus*

dells

2672 *Festuca*

along road side dells

2673 *Festuca*

meadow on summit

2674 *Slip*

Wooded hillside, open ground

Clarendon, Cal.

Sanoma Co. June 25

2675 *Aster* *foliosus*

Clay bank near river

2676 *Forchhammeria* *arvensis*

dells

2677 *Prunella*

dells, panicle drooping

2678 *Elymus*? *capensis*

Roadside, flowers, blades, flat

2679 *Prunella*

Postings

2680 *Forchhammeria*?

Summit of ridge, by woods

road side.

2681 *Prunella*

dells, pan. narrow somewhat

wooded, basal, pressed

2682 *Slip*

dells

2683 *Elymus* *plumosus*

dells

2684 *Elymus*

dells, 2 culms, growing about

a foot apart, seen at the

same place, 15 shrubs, summit

also shrubs, subsumed

Willits June 25

2685 *Peclanum uncinatum*
along brook in water.

2686 *Polygala*
along brook

2687 *Poa annua*
ditto

2688 *Sorbaria*
ditto

2689 *Prunella*
ditto - one esp. large calyx

2690 *Quercus aspera*
ditto

Sherrwood (*Eucalyptus*) June 25

2691 *Deschampsia*
along ditch

2692 *Zizia*
ditto

2693 *Saururus*
Open place in woods

2694 *Zizia*
along ditch

2695 *Prunella* Pan. close, pedicels short
along ditch

2696 Same place (Willits)

2697 *Prunella*
ditto Pan. close, pedicels short

2698 Same place (Willits)

2699 *Zizia*?
along ditch in timber

2700 *Prunella*

along ditch

along brook of pan

along ditch

along ditch

in swamp

along brook of pan

along ditch

along ditch

along ditch

along ditch

June 26

along ditch

2708 *Prunella*

Rocky woods - pan close drooping

2709 *Deschampsia*

along ditch

US NATIONAL HERBARIUM (US)

TYPUS:

Det.: R. J. Soreng, 201__

Willits June 25

2685 Beckmannia uncinata
along brook in water.

2686 Polypogon
along creek

2687 Pan amum
ditch

2688 Sorghum
ditch

2689 Bromus inermis
ditch on edge large field

2690 Elymus asper
ditch

Sherrwood (Eucalyptus) June 25

2691 Deschampsia
along ditch

2692 Festuca
ditch

2693 Sanicula
open place in woods

2694 Festuca
along ditch

2695 Bromus Pan. close, patches of
along ditch patches of brush

2696 Same from Willits

2697 Bromus
ditch Pan. close, patches of brush

2698 Same from Willits

2699 Festuca?
Pan. close in timber

2700 Bromus

ditch Pan. close, overhanging

2701 Festuca

very tall, dense brush of Pan.
ditch, dense

2702 Panicum

in brush along ditch

2703 Elymus

humid in swamp

2704 Bromus

humid swamp, brush of Pan.
ditch

2705 Panicum

swamp

2706 Festuca

swamp

June 26

2707 Phalaris

bank along Ry

2708 Bromus

Rocky woods Pan. close, overhanging

2709 Deschampsia

wet ditch

- 2700 *Panicum*
in water
- 2711 *Festuca*
clay banks also wet
limestone hill seen purple
in clay, glaucous
- 2712 *Poa*
Rocky bank
- 2713 *Poa*
Rocky bank in woods, around
- 2714 *Poa*
delta, prominent, mostly past.
- 2715 *Helianthus*
Rocky woods, bulbous
- 2716 *Festuca*
delta glaucous
- 2717 *Bromus*
delta
- 2718 *Helianthus* (Bromus)
delta
- 2719 *Alopecurus*
in water along bank
- 2720 *Helianthus*
along road, especially in the cliffs
- 2721 *Bromus* bulbous glaucous
along creek in gravel

- 2722 *Agrilus*
along creek in gravel, around
- 2723 *Agrilus*
delta
- 2724 *Agrilus*
delta, bulbous
- 2725 *Poa*
Clay bank
- 2726 *Poa*
open ground along R.
high P. pedunculatus, not delta
- 2727 *Scirpus*
along creek
- 2728 *Helianthus*
Open ground along creek
bulbous
-
- Shore Springs June 27
- 2729 *Festuca*
Spring wet along R.
- 2730 *Bromus*
delta
- 2731 *Panicum*
delta
- 2732 *Panicum*
along R.

2733 *Pharus coloratus*
ditto

Oregon
Hood River July 1

2734 *Pharus, scaberrimus*

Wet ground near house

2735 *Pharus*

ditto - common

2736 *Pharus*

ditto - probably same

2737 *Pharus, arvensis*

2738 *Pharus, hirsutus*

ditto

2739 *Pharus, rufescens?*

ditto

2740 *Agrostis exaristata*

ditto

2741 *Pharus coloratus*

ditto

2742 *Poa*

Bank near river

2743 *Festuca*

ditto - glaucous

Luzula, humilis, sphaerocarpa

2744 *Stachys, alpina*

Wet ground along Ry.

2745 *Lupinus*
along Ry. bank, large bunch, color
red.

2746 *Poa trivialis*
along Ry. bank

2747 *Lupinus, glaucus*
edge of woods in sand
purple. Culms green

2748 *Setaria*
Sand Ry. bank

2749 *Hordeum (fulvum?)*
ditto

2750 *Hordeum*
ditto

2751 *A. (perle, fulva)*
among stones in Ry. bank
large clump. Culms spreading
decumbent at base, color
bluish green.

2752 *Poa (amplex.)*
Sandy bank of Ry., large
clump, glaucous, no rosette.

2753 *Panicum, verrucosum*
In water, found along Ry.
color glaucous light green.

2 2753 *Panicum*
 delta growing by side of
 lower open blue grass
 2 2754 *Dischampia*
 delta along edge
 2 2755 *Cypripedium*
 small specimen along edge
 of pool
 2 2756 *Phlox* *maculata*
 sandy bank of R.
 2 2757 *Silene*
 delta along edge
 2 2758 *Alchemilla*
 in water of pool, auth.
 salmon-brown
 2 2759 *Chamaejasme*
 sand along river
 2 2760 *Cypripedium*
 delta
 2 2761 *Phlox*
 Bank along R.
 2 2762 *Phlox* *glauca*
 sand along R. deep
 = 2764
 2 2763 *Silene*
 Bank along R.

2764 *Fedraea*
 dry bank
 2765 *Antyphylloides*
 dry woods
 2766 *Phlox*
 dry bank, medium sized
 flowers & several clumps
 2767 *Fedraea*
 dry woods, glaucous
 2768 *Fedraea*
 dry bank in large clump
 large like 2767 & the base
 clump of flowers and so
 abundant
 2769 *Alchemilla* *speciosa*
 dry bank, large clump
 2770 *Alchemilla* *speciosa*
 delta large clump like
 preceding, but about the
 same except the leaves
 2771 *Koeberlinia*
 dry bank, conspicuously
 pubescent
 2772 *Poa* *compressa*
 along R. bank

- 2 2773 *Poa compressa*
dry wooded hillside
- 2 2774 *Poa compressa*
dry by bank
- 2 2775 *Poa compressa*
ditto
- 2 2776 *Poa compressa*
by track, level, etc.
- 2 2777 *Poa compressa*
along ditch
- 2 2778 *Poa compressa*
along ditch
- 2 2779 *Poa compressa*
along ditch
- 2 2780 *Poa compressa*
along ditch
- 2 2781 *Poa compressa*
along ditch
- 2 2782 *Poa compressa*
along ditch

- at Hotel July 2
Near Cleveland - 2000'
- 3 - *Poa* at
along ditch in timber
- Roseburg July 18
- 4 *Polygona* *maritima*
along ditch
- 5 *Poa*
along ditch
- 6 *Poa*
ditto
- 7 *Poa* *maritima*
along ditch, blue, flat, glaucous
- 8 *Poa*
along ditch
- 9 *Poa* *maritima*
along ditch
- 10 *Poa*
along ditch
- 11 *Poa*
ditto
- 12 *Poa*
ditto
- 13 *Poa* *maritima* (gravel)
along ditch, small form
common

- 2788 *Agrostis foliosa*
by bank
- 2789 *Brya nana*
along cut of dy, dry
- 2790 *Agrostis leucomelaena*
along by bank, upland
- 2791 *Elymus glaucus*
along by
- 2792 *Panicum barbatifolium*
dry open place along by
- 2793 *Hordeum*
ditto
- 2800 *Gordium andreae*
ditto
- 2801 *Kuhnia*
In wooded hill
- 2802 *Poa*
ditto
- 2803 *Elymus caput-medusae*
ditto
- 2804 *Elymus glaucus*
ditto, small form

Inutile Ponce Coos Co
 July 1881
 2805 *Festuca*
 wooded hillside

- 2806 *Pharus*
ditto
- 2807 *Trisetum*
ditto
- 2808 *Panicum*
Along ditch
- 2809 *Panicum*
ditto
- 2810 *Agrostis*
ditto. Creeping through depression
on vegetation but panicum grass
spreading.
- 2811 *Agrostis*
along ditch with some water
along the edge of the water.
The runners run out into the
water for 3-5 ft. on the drier
ground the runners are shorter.
- 2812 *Agrostis*
ditto on drier ground near
2811. Spikes same.
- 2813 *Agrostis*
ditto mixed with 2811
Larger panicle but otherwise
the same shrubby.

Marshfield Hwy
Coco Co

2818 *Ischaemum* *cooperi*
Salt marsh.

2815 *Apertis maritima*
ditto very abundant. The
is a typical marsh where
there is room for bunches
it all grows in a dense
but is tufted & spreading
than erect as in salt marsh.
perices look same but
very irregular.

2816 *Festuca rubra*
ditto

2817 *Arundo*
Open ground near swamp

2818 *Hordeum*
Salt marsh

2819 *Distichlis*
ditto, the smallest ones
seem to be possible

2820 *Polygala maritima*
ditto

2821 *Apertis*
On old tie in swamp

Seems to be the same as 2815 but
in a different place

Coco Co

Stage Station on same spit
out side Two Bay opposite Empress

22 *Poa longissima*
in drifting sand. Are the
narrow pointed forms the same?
The latter show pronounced
residuals

23 *Poa pratensis*
ditto

24 *Bromus*
ditto

25 *Apertis maritima*
ditto = 2815. Common in
the low salt marsh near
by.

26 *Distichlis*
drifting sand, could find
only occasional forms

27 *Ammophila*
ditto, forming islands
probably escaped from the
plantations & in south end

2 2828 Agrostis

delt. rootlets, many
a single

2 2829 Poa

delt. tufts with

rootlets, often a tuft

raised above the sand but

anchored by the rootlets

2 2830 Festuca

delt. near a clump of trees

2 2831 Poa

drifting sand

2 2832 Festuca

delt. on an island for
by a bush

Coos Co Marshfield July 13

2 2833 Calamagrostis

Large bunch in swale near

salt water but probably fresh

2 2834 Festuca rubra

delt. among tall grass

& rushes. Very bushy

More slender than the upper

part of culm, it is lower

& decumbent more or

less rooting. Difficult to
find actual root.

2 2835 Agrostis sparsa

in very gravel thrown

up through fast marsh

The bunches have worn a

space, soil gumbo. Culms

form flat, spreading, nodes

2-4 ft in diameter, the lower

ends bent upward

Coos Co

Above 6 miles west of Marshfield

2 2836 Panicum semibaccatum

Open woods on hillside

Sheep Ranch between Marshfield &

Cannon Valley. Mostly deep

under blue River. July 20 19

2 2837 Achillea millefolium

Open ground, common

2 2838 Polygona

Wet place, side of road

2 2839 Bromus

Hillside common

2 2840 Agrostis?

delt.

2841 *Nelium*

Rocky bank

2842 *Panicum*

along brook

2843 *Savaria*

along brook

2844 *Elymus glaucus*

along river bank, near

2845 *Agrostis*

delta, in sand.

2846 *Bromus*

in deep woods, abundant

2847 *Avena*

Open place & woods

2848 *Sanicula*

delta

2849 *Geranium*

delta

2850 *Bromus*

Wooded hillside

2851 *Deschampsia*

near spring

2852 *Agrostis*

dry bank

2853 *Agrostis*

delta, *Panicum* small

854 *Festuca*

dry bank near spring

855 *Avena*

delta of 2882

856 *Agrostis*

dry bank

857 *Agrostis*

deep bank near spring

858 *Festuca*

delta

859 *Deschampsia*?

dry bank along road

860 *Festuca*

in spring place along road
Panicum *verrucosum*

861 *Poa annua*

spring place along road

862 *Elymus glaucus*

pubescent form, along road

Sixteen years July 21

863 *Festuca*

along brook, abundant

864 *Panicum*

along brook

2865 - *Trissolena*
Wooded hillside

2866 *Trissolena*
ditto. = 2865?

2867 *Agrostis exaristata*
along brook

2868 *Bromus*
ditto

2869 *Bromus tectorum*
wooded hillside in
open places

2870 *Elymus glaucus*
Summit & green along
brook

2871 *E. glaucus*
ditto, Summit & glaucous

2872 *E. glaucus*
ditto, pubescent. All
green near creek

2873 *Bromus*
along wooded hillside

2874 *Festuca fensholtii*
ditto

2875 *Deschampsia cespitosa*
ditto

2876 *Panicum urticaceum*
along brook

2877 *Poa horridula*
open woods

2878 *Festuca (repens?)*
ditto

2879 *Bromus*
ditto, pan. erect

2880 *Deschampsia*
ditto

2881 *Festuca*
ditto, tall, large clumps
near 2878 but larger & more
is it the same?

2882 *Festuca fensholtii?*
very glaucous - ditto

2883 *Poa*
ditto

2884 *Koeleria*
ditto

2885 *Bambusa unispicata*
ditto, from top of summit across

2886 *Bambusa*
ditto

2887 *Bambusa*

Panicum woods probably = 2868
but culms not a leaf

2892 Poa
detto = 2883? Tall

less tufted at base

2893 St. pr. 8

shady pine woods

2894 Bromus

detto. black pulchrum

2895 Bromus

open ground in woods

black glaucous plant lamp

2896 A. pedic. H. dett.

in pine woods

2897 Elymus glaucus

Phacelia along by part of

wood. appears in this spec.

2898 E. glaucus

found along by a small

pond but it appears in all

sizes

2899 Hordeum

along by

2900 Bromus

along by

2901 Bromus

along by

2902 Setaria

detto

2903 Quercus falcata

detto

2904 A. propager. hirsuta

large bunches along

2905 Hordeum jubatum

along by

2906 Bromus

along track

2907 Cirsium heliopsis

along brook

2908 A. hirsuta exarist.

along brook, more open place

2909 Bromus

along by bank from crest

2910 Bromus

detto

2911 A. pedic.

near spring in dense shade

2912 Poa

near spring in dense shade

2913 Hordeum

near station

2914 Bromus

woods

2915 Elymus Capri Hill
honey side

2916 Bromus
Meadow hillside above S.

2917 Bromus
dell

2918 Bromus?
dell

2919 Setaria
open ground dell

2920 Setaria
dell

2921 Poa
On face of big rock above
tunnel

2922 Scleria
Dry open place on top of
above tunnel

2923 Melica ^{also has that knobby}
dell, also in the ^{rocky} ^{open} ^{corner}
bulbs. bare spreading, yellow

2924 Bromus
dell

2925 Trisetum
in woods dell common

2926 Danthonia
open place in woods dell = 2905

2927 Poa
dell = 2903 but in better
condition, 3 or 4 P. K. cells
look like Danthonia but leaves
different.

2928 Bromus
dell common

2929 Setaria
Bone rock summit of hill
above tunnel

2930 Agropyron divergens
dell, bunches but produces
short root stalks

2931 Poa
Along rocky slope of dell
a large bunch of
seeds

2932 Melica
Shady place in woods in the
soft loam, stems solitary or
few, bulbous.

Mt Shasta July 25
(at Horse Camp 5000 ft)

2933 Selamun
in rocky soil (upper slope)
2934 Slip
della

2935 *Trisetum* *capitatum*
della

Mt Shasta July 26

2936 Slip
= 2935, about 6000 ft

2937 Selamun
della - 2933

2938 Slip
della (6000)

2939 *Trisetum*
della about 5000 ft

2940 *Agrostis*
della about 4000 along bank

2941 *Bromus*
della open woods, pairs

2942 *Bromus*
della abundant pairs

2943 *Bromus*
della abundant pairs

2944 *Bromus*
della abundant pairs

2945 *Bromus*
della abundant pairs

2946 *Selamun*
della. Leaves like Selamun
2933 & 2930

2947 *Agrostis*
della

2948 *Agrostis* *lanceolata*
along bank, *monocaulis* form

2949 *Agrostis* *glauca*
della

2950 *Agrostis* *della*
della

2951 *Agrostis*
della

2952 *Agrostis*
among clumps about 3500

Klamath Falls July 28

2953 *Deschampsia* *corymbosa*
Roadside

2954 *Bromus* *lanceolatus* *globosus*
all field

2955 *Bromus*
along canal bank, opposite

= 2954 in spreading bunches
with narrow root leaves

2956 *Deschampsia*
field

2957 *Deschampsia*
field

2958 *Deschampsia*
field

2553 *Panicum*
field, much covered
Jan 2552

2554 *Poa*
along road side, bushes
stiff erect leaves.

2555 *Sorbus* (cuspiform?)
ditto

2556 *Elymus* or *Agropyron*
Along stream
tall grassy sedge, near
stems abundant

2557 *Alopeurus* flower
ditto, near water

2558 *Agrostis exarata*
along stream in high grass

2559 *Agrostis exarata*
ditto, up hill in place
as in same place

2560 *Agropyron*
In field near river, a weed
widespread abundant

2561 *Panicum* *hirsutum*
Along river in high grass

2562 *Elymus* (flavus?)
Along road in dry ground

2563 *Panicum* *capillare*
Wet along canal

2564 *Bromus*
along bank of canal

2565 *Bromus*
ditto

2566 *Scleranthus*
along bank of ditch

2567 *Elymus* *glaber*
ditto

2568 *Elymus* *glaber*
in moist place, blades
widely

2569 *Elymus* *capillaris*
along ditch bank

2570 *Bieleria* *uncinifera*
in wet along canal

2571 *Agropyron* *diversis*
ditto

2572 *Rhynchospora*
ditto

2573 *Eleusine*
ditto

2574 *Poa*
ditto

2975 Polypogon monsp.
Alkali full meadow

2976 Hierden rubrum
ditto very common

2977 Elymus
Low flat meadow

2978 Agropyron tenuum
ditto

2979 Atriplex microphylla
ditto

2980 Distichlis
staminal alkali meadow

2981 Sporobolus Geyeri
ditto

2982 ~~Deschampsia cesp.~~
Poa dry place

2983 Poa
Low meadows

2984 Atriplex
= 2983 but in a place
common in the grass

2985 Atriplex Albi. Marshallii
Low meadows, abundant

2986 Atriplex
Low meadow, plant. at
the ponds are common

The culms are spreading at the
I saw no stems but the
condition were not right
This looks like the same
Atriplex.

2987 Puccinellia
Low alkali flat
culms forming a spreading
mound

2988 Puccinellia
ditto. Culms erect, anthers
the same as 2985

Lower Klamath Lake

Modoc Point, July 29

2987 Sporobolus
alkali flat

2988 Poa
ditto, not so alkali

2989 Agropyron tenuum
flat meadows - bunch

2990 Agropyron tenuum?
ditto

2991 Agropyron
ditto

2992 Agropyron (Elymus?)
ditto

Fort Klammath 68003

2523 *Danthonia*

meadow in open woods

2524 *Muhlenbergia* (or *Sporobolus*).

ditto, along road side

2525 *Sporobolus*

ditto, along road side

2526 *Dietschiana*

ditto

2527 *Stipa*

ditto - very pubescent

2528 *Stipa*

ditto less pubescent

2529 *Panicum paniculatum*

along brook

3600 *Poa*

open woods meadow

Pan. spreading inflores, narrow

glume after root shoots

3601 *Danthonia*

ditto

3602 *Bromus*

ditto. quite a difference

amount of pubescence on glume

but appear to be all one sp.

68003 *Muhlenbergia*

ditto - cf. 2524

6804 *Dietschiana*?

ditto - low ground

6805 *Stipa*

ditto

6806 *Calamagrostis*

ditto

6807 *Agrostis linearis*

in shady woods

6808 *Stipa*

open ground

6809 *Stipa*

ditto. looks like the one

on Mt. Shasta

6810 *Eriogonum fasciculatum*

open woods, common

6811 *Festuca ovina*

ditto, glaucous form

6812 *Bromus*

open woods, same

common on Mt. Shasta

6813 *Bromus*

ditto, mostly small

various panicles

3017 Melica
dry bank leading down
to Arroyo Creek

3018 Parnassia nervosa
along Arroyo Creek

3019 Collinsia
along Arroyo Creek

3020 Ironia
bank wooded, above
Arroyo Creek

3021 Arroyo
along Arroyo Creek

~~Max Camp~~ ^{July 30}
~~6000~~

3022 Tridax subsp. ...
open woods

3023 Tridax
ditto

3024 Dactylis
ditto

3025 Melica?
wet place

3026 Agrostis thurberiana?
ditto

3027 Melica
ditto

3028 Agrostis varians

3029 Agrostis
rather moist

3030 Agrostis
newly open woods

3031 Elymus glaucus
ditto

Camp Steele to higher Lake
July 31

3032 Poa

open pine woods. culms
single or small clumps
root thick.

3033 Bromus
ditto. culms single or few
pan. erect & narrow culm
in flower.

3034 Bromus
ditto. = 3033? blades
brown & sheath smooth

3035 Bromus
ditto = 3032? not 3034

3036 Agrostis (holcus?)
spring place - root thick

3037 Agrostis (acuta)
ditto

3084 *Panicum*
dillo - Two clumps

3085 *Panicum* ^{bolanderi} *chandleri* (Bart)
Open loose bank in fir
woods in small clumps
Leaves like ones around here
in all cases there are remains
of a previous stem & some
times there are short
root stalks.

3086 *Poa*
Open loose ground
bank of dry run.
Small clumps. Specimens
about 1/3 of inch short.
root stalks, rarely, common.

3087 *Poa*
probably = 3086 but higher
up 6500 ft.

Crater Lake July 3
Rem of Crater, same slant
near top 2000 ft.

3088 *Silene*
3089 *Stipa*
3090 *Phlox*

3087 *Tridax* *sinuata*

3082 *Bromus*

3083 *Stemon glaucus*

3084 *Tridax*?

3085 *Poa*

large clumps, ~~some~~ ^{very} common

3086 *Poa*

3087 *Poa* (Molina?)

3088 *Poa*

Open of *P. nutans* live
per. compact.

3089 *Panicum*

Pole bridge built in grassy
place, great, root stalks
somewhat glaucous

3090 *Phragmites*

Along shore of Upper Klamath
Lake at K.L. Falls landing

3091 *Arctostaphylos*

with all these some white petals
near station, West Aug 2

3092 *Stipa*

By open woods West

Castle Crags Aug 3

3063 *Trifolium orcuttiana*
Open ground near hotel.
In a wet place, maybe
introduced, annual erect

3064 *Slip*
Open ground, dry

3065 *Elymus glaucus*
dell. some green, some yellow

3066 *Agrostis foliosa*
dell.

3067 *Phlox*
dell. in section
some is cut away, the dell
is some have pinkish
leaves & blades, opening

3068 *Bromus*
dell.

3069 *Panicum barbatuligratum*

(30) Open ground, high above
some green.

3070 *Panicum pacificum*

type
(30) Woods in more places on
mountain. Some have been
cut down, along road from

Hotel to the old view 1/2 mile from
Hotel. Color lighter green.

3071 *P. shastense pacificum* H. & C.
Probably the type locality.
In alfalfa field in the
valley, near above road.
The cutting of the alfalfa
has altered the habit.
First leaves, large, color
blue green in shade & yellow
green in sun. Culms decumbent
& bunchy in shade & erect.

3072 *Panicum shastense* L. & M.
near above but in the
woods. Grasses are edge
of forest where it has
not been cut.

3073 *P. shastense pacificum* H. & C.
dell. but in woods

3074 *Panicum scribnerianum* Nash
in alfalfa field as above

3075 *Agrostis*
by wooded hill near
Castle Crags road.

3076 *Deschampsia caespitosa*
On wet rock of Spruce
on the Crags. Leaves

3077 *Panicum pacificum* H. & A.
On dry rocks at Centre
Creek spring

3078 *Thymus*
Dry rocks Centre Creek Spring
Lake Tahoe - John Lake
Aug 5

3079 *Agrostis*
open dry woods near
Tavern Club House

3080 *Agropyron*
ditto, by lake

3081 *Lilium*
ditto

3082 *Trisetum*
ditto

3083 *Poa*
open grassy dry wood, and

3084 *Eleusine*
ditto

3085 *Pharus*
ditto

3086 *Pharus marginatus*?
ditto, pan. narrow and
but culms all bent over

3087 *Pharus hirsutus*
ditto

3088 *Elymus glaucus*
ditto

3089 *Deschampsia*
ditto

3090 *Lolium temulentum*
ditto

3091 *Pharus*
ditto, common in open woods
Per. erect, spreading, basal
clump of leaves short, wide
erect.

3092 *Panicum*
In water near river.

3093 *Panicum paniculatum*
ditto. The culms of this are
soft & flexible compared
with the others

3094 *Deschampsia*
moist ground.

3095 *Eleusine*
ditto

3096 *Agrostis*
ditto, growing near A. hirsutus
& *Agrostis*

- 3057 *Avena*
along Ry.
- 3058 *Agrostis* *varia*
open pond along river, dwarf
form. - very abundant
- 3059 *Agrostis* *lucida*
dwarf ordinary form
- 3060 *Trisetum* *subspicatum* (weak)
dwarf
- 3061 *Slip*
dry open woods
- 3062 *Panicum*
wet along edge of river
- 3063 *Alopecurus* *fluens*
along river in wet ground
- 3064 *Hordeum*
along Ry
- 3065 *Poa*
dry woods, cf 3086
- 3066 *Urtica* *vulgaris*
widespread along Ry common
- 3067 *Lychnis* *chamaemelum*
wet soil
- 3068 *Hordeum*
wet soil
- 3069 *Poa*

along Ry

- 3110 *Agrostis* *lucida*
bracts short, but appear
like thin dry leaves

Aug 6

- 3111 *Agrostis* *lucida*
along Ry track
- 3112 *Hordeum*
dwarf
- 3113 *Poa* *lucida*
dwarf
- 3114 *Slip*
open grassy place
- 3115 *Muhlenbergia*
dwarf
- 3116 *Agrostis*
open low ground, forms
a dense mass, glaucous
leaves, etc. thin

Tallae (L. Lohr) Aug 6

- 17 *Poa*
dry ground in sage brush
blue green soil or grassy
- 18 *Festuca*
open pine woods

- 3119 *Muhlenbergia*
low open ground
- 3120 *Silene*
ditto
- 3121 *Slipa*
ditto
- 3122 *Anemone*
ditto
- 3123 *Hordely*
Along aqueduct
- 3124 *Slipa*
open pine woods, long &
pubescent,
- 3125 *Slipa*
Open bog woods near
fallen log
- 3126 *Poa Sandbergii*
Rocky hill in open ground
- 3127 *Hordely*
Along creek 7000 ft
in shady wet place
- 3128 *Panicum (brevifolium?)*
ditto sphaerolobus & glab
near bushes, extending
- 3129 *Calliandra pedunculata*
ditto

- 3130 *Carex latifolia*
ditto
- 3131 *Poa*
Rocky woods 7000 ft
- 3132 *Phlox alpestris*
ditto
- 3133 *Deschampsia*
ground place ditto
- 3134 *Poa*
Rocky soil 7000 ft
- 3135 *Festuca?*
ditto
- 3136 *A. fistilis?*
moist soil ditto
- 3137 *Festuca?*
ditto rather dry soil
- 3138 *Festuca*
Rocky soil, in flower ang
- 3139 *Poa*
Rocky soil of 3138, looks like
like *P. Sandbergii*, purple 7500
- 3140 *A. fistilis*
= 3136 at high altitude
abundant in depression in the
rocks, always small, with
narrow panicle not open at

any time, seems like an annual
but a little bit different.

3141 *Slip*

Rocks.

3142 *Mullerbergii*

In depression & rocky soil

3143 *Mullerbergii gracilis*

Rocks.

3144 *Gentiana*

Depression in rocky soil.

3145 *Poa*

dile. very glaucous, small
clumps, sand, poor margin

3146 *Calamagrostis*?

Moist depression in rocky soil
with *Sisymbrium* composite

3147 *Trisetum*

Wet sand along brook

3148 *Trisetum*

dile

3149 *Calamagrostis*

= 3148 but growing in d. ft. good

3150 *A. (vicia)*

- 3140 but larger

3151 *Poa*

Probably = 3139 & be

More foliaceous.

3152 *A. (vicia)*

Among rocks, in hollow 8000

3153 *Trisetum*

Little meadows on top of hill
grows

3154 *Poa*

Open rocky alpine meadow
grows mostly single. 8000

3155 *Festuca*

Heads small, greenish, white
Tall in 2500 ft

3156 *Poa*

Open ground among L. Gilmore

3157 *Panicum*

Along Gilmore Creek

3158 *Sanicula*

Depression in wet, sand, dry. 7000

3159 *Slip*

Rocky soil near Blue Alpine 6200

3160 *Sisymbrium*

at foot of tree near Lake Teller. Aug 8

3161 *Trisetum*

Open dry woods East Shore
Falls. Leaf Lake. Poor slender

3162 *Phlox*
ditto. Pale branches of branches
in flower. blue, narrower
or slightly, lobes below &
disseminate from the other species
growing well at west division
pale branches

3163 *Helianthus*?
ditto

Lake Tahoe

Greenbrook Res. Aug 8

3164 *Sitain*
dry woods

3165 *Phlox*
ditto

3166 *Elymus glaucus*
ditto. small narrow leaves

3167 *E. glaucus*
near spring, broad leaves

3168 *A. pusillus*
ditto. dark roots oblong
spike

3169 *Agropyron*
dry hill

3170 *Festuca*
around spring

3171 *Phlox*

ditto
3172 *Sitain*

along road

3173 *A. pusillus*
near ditch

3174 *A. pusillus*
ditto

3175 *Herden jubelin*
ditto

3176 *Phlox*
ditto

3177 *Poa*
dry sand in sagebrush

3178 *Poa*
ditto. possibly the same
as before but appears different

3179 *Panicum*
along brook

3180 *S. Schampii*
dry open ground

3181 *S. Schampii*
low meadow

3182 *Agropyron*
along sagebrush

3183 *Sychnanthus alpinus*
dry ground

3184 *Trifolium*
dry ground

3185 *Festuca*
ditto

(New) Aug 9

Canyon north of Spooner about 2000

3186 *Atriplex* var. *arbuscula*
low bushes along creek

3187 *Calamagrostis*
ditto

3188 *Carex*
ditto

3189 *Panicum urinale*
ditto

3190 *Slip*
dry sandy hill - perennial

3191 *Slip*
Edge of low meadow - sand
glaciers, looks like 3181

3192 *Kerria*
low bushes along road

3193 *Kerria*
ditto but growing in sand
low, perennial

3194 *Hebe*
ditto, very small leaf
yellow fruit

3195 *Atriplex* *arbuscula*
ditto

3196 *Atriplex* *arbuscula*
ditto - different
from low bushes in
Canyon. This seems
to be *arbuscula*

3197 *Poa*
open loose soil (much)
bush.

3198 *Panicum*
along brook, low bushes
fruit 5 per. stiff.

3199 *Panicum*
ditto. Pan. of brook, shrubby
but different from 3198

3200 *Syntherisma*
Sandy soil edges of low
meadow.

3201 *Poa*
Low meadow

3202 *Festuca*
ditto

3203 *Q. parryi*
dry sand

3204 *Poa*
dry sand, very large,
dense heads, often dense
in middle.

3205 *Panicum*
along river bank good

3206 *Poa repens* & *bellina*
ditto.

3207 *Panicum* small
ditto smaller at high
altitudes.

3208 *Poa*
along bank

3209 *Calamagrostis canadensis*
ditto

3210 *Poa*
summit of Mount, Pl.
on rocks.

[End of Glenbrook label]

Merced Aug 16

3211 *Paspalum distachyon*
along dry ditch, forming dense
mats

3212 *Panicumourgalli*
along roadside

Yosemite Valley Aug 17

3213 *Muhlenbergia*
on wet Pamarock creek mouth.

Aug 18

3214 *Panicum pacificum* Hor
dry open woods foot of
El Capitan, more, quite
dried up.

3215 *Muhlenbergia (sp.)*
along roadside, ditto

3216 *Agrostis exaristata*
along ditch ditto

3217 *Agrostis humilis*
ditto

3218 *Sporobolus*
ditto with 3215

3219 *Panicum pacificum* HBK

In very common pasture
in valley = 3218. Very abundant
in spring meadow of
woods.

3220 *Muhlenbergia*

along ditch

3221 *Alopecurus*

ditch, in low meadows

3222 *Burchardia*

ditch

3223 *Panicum pacificum*

ditch

3224 *Alopecurus*

along ditch, grassy

3225 *Trisetum*

Reeds at base of grassy

3226 *Alopecurus*

ditch

3227 *Festuca*

ditch

3228 *Elymus*

grasses, flowers
rich soil base of ditch

3229 *Alopecurus*

open meadow
base of grassy field

3230 *Elymus*

ditch

3231 *Alopecurus*

growing near 3230, *Panicum*
more different, but difficult
to distinguish

3232 *Panicum pacificum* HBK

ditch = 3215K but in
more soil.

3233 *Panicum pacificum* HBK

Same bank of river
same large heads, yellow-
ish green. = 3232K

3234 *Panicum pacificum* HBK

ditch, larger green
more pubescent but probably
the same species. One head
showed, other mostly obscured

3235 *Elymus*

Open meadow near
river

3236 *Alopecurus*

ditch, base of river, a
more open place

3237 *Panicum brevifolium*

Pond

3238 *Muhlenbergia*
Open woods

Aug

3239 *Panicum*

open woods, upper edge of
Valley = 3238

3240 *Trisetum*

Rocks below meadow

3241 *Deschampsia*

near spring below meadow

3242 *A. perenne*

Leaves like *A. perenne*
ditto

3243 *Deschampsia*

ditto

3244 *Panicum*

ditto

3245 *Stipa*

Open grassy ground
above meadow

3246 *Trisetum*

Open grassy woods

3247 *Stipa*

Open grassy ground

Set on

ditto, seen with Smith

Long meadow Aug 20

at the head of the valley, about 8500

3248 *Panicum*

ditto meadow, Summit Creek

leaves narrow in lower

branches, conspicuously reflexed

3249 *A. perenne*

near spring, growing well

A. perenne, probably this

species in field just west of

the first meadow

This is what I have collected

before as *A. perenne* (3230 &)

3250 *Panicum*

Rocky soil near top of ridge
Summit Mt.

3251 *Calamagrostis*

Rocky soil

3252 *Phlox*

Small, soil along edge

of meadow

3254 *Phleum cepense*
dille.

3255 *Poa*
dille - open places.

3256 *Deschampsia*
edge of meadow in dune
ground

3257 *A. per.*
dille. Looks like the
small *capitata* 3 p
on Mt. Zalcve.

3258 *Deschampsia*
moist gravelly soil along
edge of meadow, 7 rows
large clon tufts.

3259 *Trisetum subspicatum*
open gravelly soil
meadow, pubescent

3260 *Trisetum*
apparently the same but
pubescent only so. dille

3261 *Trisetum*
dille, anthers

3262 *Muhlenbergia*
in open places forming
small bunches. dille

3263 *Agrostis tenuis*

moist open ground, edge
of meadow. This is genuine
long bunches, well short
stiff culms.

3264 *Agrostis*
growing with 3263 but
panicled not *capitata*, coarser
or seems different. Culms
like 3257 but pan.
bunches seem too long.

3265 *Muhlenbergia*
open ground. May be same
as 3262. Some part of
long meadow.

3266 *Deschampsia*
moist meadow. Pubescent
S. *capitata* but denser

3267 *Agrostis*
moist shady ground

3268 *Agrostis*
open ground

3269 *Agrostis*
(*trichomanes*?) Shady
place near brook

3270 *Trisetum subspicuum*
Common dwarf form a
open stony ground.

3271 *Trisetum subspicuum*
Open ground. A tall glabrous

3272 *Step-*
ditto

3273 *Poa*
Open rocky woods

3274 *Poa*
ditto leaves rather thin
glabrous

3275 *Poa*
ditto

3276 *Poa*
Abundant on a flat
gravelly place.

3277 *Poa*
Open rocky woods

3278 *Poa*
ditto

3279 *Agrostis*
with 3276

3280 *Poa*
open woods

3281 *Agropyron*
ditto, among rocks

3282 *Calamagrostis*
wet meadow

Lyell Fork Canon Aug 20

3283 *Muhlenbergia*
Open ground near mouth
of valley

3284 *Hordeum*
moisture ditto

3285 *Agropyron violaceum*
open woods.

3286 *Danthonia*
meadow in open wood

3287 *Festuca*
ditto

3288 *Agropyron*
ditto

Aug 21

3289 *Oryzopsis*
Wet meadow, forming
large tufts

3270 Poa
Open wet, woods

3271 Calamagrostis
Flat, rather dry meadow

3272 Bromus
Moist shady pine woods

3273 Festuca
Mt Lyell & approach Aug

3274 Poa
Rocks at 12000

3275 Poa
Rocks at 12000 both slender

3276 Poa
Alpine
Rocks at 12000 both slender

3277 Poa
ditto

3278 Poa
ditto

3279 Poa
ditto

3280 Muhlenbergia
ditto

3281 Poa
ditto

3301 Calamagrostis
Rocks at 12000

3302 Poa
Alpine meadow (1500)

3303 Bromus
Slope of mountain, about 11000

3304 Stipa
ditto.

3305 Setaria
Rocks at 12000

3306 Deschampsia
Rocky soil at 12000.

3307 Trisetum
Upper Lyell Canon 9500 ft.

3308 Poa
Moist place in woods

3309 Muhlenbergia
Rocky woods

3310 Setaria
ditto

3311 Bromus
Moist place in woods

Ireland Creek head Aug 23
3312 *Misletum*
Open slope gravelly flat 10500
I did not see the pubescent form
the latter occurs in moist, rich

3313 *Poa*
Open rocky ground 10500

3314 *Poa*
ditto 10500

3315 *Poa*
Woods, rich 10000

3316 *Poa*
Open woods, abundant
at 9-10000. *Poa* white
when section is spreading

3317 *Misletum*
pubescent, Rich woods

3318 *Misletum*
Glacis ditto, growing
3317, the ditto form
more delicate & slender

3319 *Poa*
with 3316

3320 *Poa*
with 3316 culms
a beccinoid, 2

Agropyron
Rich woods. Near growing 8500
with a few culms.

3322 *Sitacium*
Woods. 8500

3323 *Agropyron*
Abundant with 3324. Mostly
a large tuft

3324 *Stipa*
Rich open woods 8500

3325 *Misletum*
ditto 8500

3326 *Sitacium*
ditto

3327 *Bromus*
Rich woods 8500

Upper Methuen Fort about 10000
Aug 23

3328 *Poa*
Rocky soil above timber

3329 *Poa*
ditto = 3328?

3330 *Bromus*
ditto

3331 *Agrostis* variable
ditto.

Merced river Aug 28 but the root strong in proportion
+ rather knotty, but easily pulled
up by the roots.

3332 *Elymus glaucus*

Wet woods Mount

McPherson Fork

3333 *Panicum*

Rich, low, spot in woods

3334 *Panicum*

= 3333 but more in

slough, panicles narrower

branches conspicuously reflex

A few panicles were also sub

erect, lower inflorescence

the common form was narrow.

3335 *Slip*

Open gravelly flat spot

3336 *Slip*

Growing with 3335

pubescent

3337 *Bromus*

Growing with 3335

3338 *A. port. (Chenopodium)*

In mud, mossy place

Shrub. Abundant, often

with *A. hiemale*. Slender

delicate, erect or arching

3335 *Pice*

Low wet slough, with

can. *Panicum* etc. very

erect

3338 *A. port. hiemale*

A narrow erect form, dille

3338 *A. port. hiemale*

A small erect short branched

form in low sloughy woods

3338 *A. hiemale*

= 33382 but more erect

the panicle somewhat closed.

3338 *A. port. hiemale*

In woods

3338 *Festuca (subra)*

Low slough with 3335

3338 *Bromus*

dille, pan. drooping

3338 *Bromus*

dille, Pan. erect but

rather erect numerous

drooping

3387 *Trisetum*
ditto base 3338

3388 *Trisetum*
dry woods of 3387

3389 *Aster*
dry woods. all part
maturity.

3390 *Medicago*
same loc. as 3387

3391 *Poa*
Open gravelly soil, place

3392 *Bromus*
moist shady place in woods

3393 *Agropyron glaucum*
Shady room 2 miles above

3394 *Strophos cofenifolius*
ditto somewhat exposed
place

3395 *Echo Creek Camp Aug*
Bromus

3396 *Festuca*
ditto

3397 *Silene*
ditto probably at same

3398 *Trisetum*
ditto

Segetaria holnag
Paul Aug. 30

3398 1/2 *Bromus*

New Spring. Fair Soil
from Allis Meadows.

3399 *Trisetum*
ditto

3400 *Agrostis idahoensis*
Large heads on ch. wet
ditto probably a form of
A. humilis

3401 *Agrostis*
ditto

3402 *Agrostis humilis*
ditto

3403 *Agrostis humilis*
ditto

3404 *Agrostis humilis*
ditto

3405 *Bromus*
ditto

3366 A. glabra, Chisholm
near place in woods

3367 Poa
dry woods ditto

3368 Trisetum
along stream ditto

3369 Trisetum
ditto

3370 Cyma
ditto

3371 Trisetum
ditto

3372 Calamagrostis
ditto - dry soil

3373 Panicularia
ditto

3374 Panicularia (venosa)
ditto

3375 - Schampnia glauca
ditto

3376 Muhlenbergia
on rocks ditto

Near Redwood Meadows
Aug 31

3377 Muhlenbergia
near stream

3378 A. glabra
ditto

3379 Cyma?
ditto

3380 Trisetum
ditto

Farewell Sop & Vicinity
Sept 1

3383 Poa
Risky soil 10000

3384 Poa
Risky soil near stream 9500

3385 Agrostis
Risky soil 10000

3386 Poa
Locality of 3387

3387 Muhlenbergia
Risky soil 9500

The roots former dense
hard now diffused in
separate

3388 Koenigia
Risky soil 9500

3389 Setaria
ditto - common

3390 *Trisetum*
dille. 8500

3391 *Poa*
Open watery soil 8500

3392 *Phleum alpinum*
Moist soil near stream

3393 *Stipa*
Moist soil, rocky, 10000, 8500, soil
of gaps

3394 *Muhlenbergia*
dille, forming large masses

3395 *A. sp.*
dille. Same as *A. sp.*
from *A. hirsuta*

3396 *A. sp.*
dille.

3397 *Panicum*
Along bank 8500

3398 *Elymus glaucus*
dille

3399 *Drosera sp.*
Along bank, wet, soil

3400 *A. sp.*
dille

3401 *A. sp.*
dille, dry ground

The road to farm a rough road

3402 *Bromus*
Dry soil near stream 8500

Camp-head of Rifle Creek
about 8500 Sept 2

3403 *Trisetum*
Along a small stream

3404 *Muhlenbergia*
Sand near dille.

3405 *Bromus*
dille in sand.

3406 *A. sp.*
Moist soil near dille

3407 *A. sp.*
In boggy soil, among rushes &
Cyperus & *Scirpus* but
abundant. Roots in soil & dif-
ficult to get but appears to have
short root stalks.

3408 *Panicum*
Bog.

3409 *Trisetum*
Moist soil

- 3810 *Delany*
Sand dith
- 3811 *Elymus glaucus*
moist soil
- 3812 *Ager*
*moist sand in deep
 bushes. Is this A. hirsutus?*
- 3813 *Ager*
moist sand.

- 3814 *Trilobium*
Summit of Coyote Pass
- 3815 *Slip*
Summit of Coyote Pass
- 3816 *Poa annua*
*Along Kern River in Cany
 above Soda Springs*
- 3817 *Ager*
*dith in moist shade
 sand*
- 3818 *Asperula*
*Along Coyote Creek
 above Soda Springs*
- 3819 *Asperula*
*Open ground in woods
 along Kern River
 Sp.*

3820 *Muhlenbergia*
dith

- Kern River Camp Sept 3*
- 3821 *Panicum paniculatum*
Shrub
- 3822 *Ager*
*In shallow water in boggy stream
 Fossil Camp*
- 3823 *Ager*
*In water in boggy stream in
 shade dith. I think this is
 a form of A. hirsutus in
 place of the bunches of panic.*
- 3824 *Muhlenbergia*
Open moist woods
- 3825 *Eriogonum cuneifolium*
Rocky soil, with sagebrush

- Kern Camp & Robber's Wood
 Sept 7*
- 3826 *Poa*
*Rocky woods, 10500 level
 of Ent Fat*
- 3827 *Poa*
dith

3828 Kauler (Eucalyptus?)
little. Heads green with
brown or purple tinge.

3829 Calceolaria
Around little lake above
little near trail 10700

3830 Saxifraga
Numerous heavily bed. but
abundant at this point.

3831 Trisetum
Downy from Camp near B. 1198

3832 Trisetum
Near ever, beds at junction of
hot spring, trail

3833 Silene
Locally 3831 abundant
very abundant.

3834 Silene, heavily 3831
Numerous. Small beds. Small
downy but not here the flowers
were isolated in mossy soil.

3835 Saxifraga
= 3831 but heavily downy
mossy in numerous places
it was the chief grass. Around
lake and at the lake.

Crab tree Mountain W. Mt
Sept 5

836 Poa?

Along W. bottom creek

Veg. blue-green, Rocky soil

837 Poa

dotted, ~~rocky~~ rocky soil

838 Poa

dotted, somewhat red soil

839 Helianthus

Rocky soil

840 Dianthus

Mount. base - loose chills

841 Silene

Rocky soil, Spike rather long
& slender stalk

842 Agropyron

Mount. base - chills

843 Poa

Mount. base - Rock chills
branches of panicle horizontal

844 Festuca

Rocky ground

845 Callamagrostis

Mount. (not soil) soil

3886 Poa

Crevices of rocks, Mt. Whitney
12500

3887 Poa

front rock, Mt. Whitney
14500

3888 F. liliiflora

Crevices of rocks, Mt. Whitney
12500

3889 Poa

Meadows, Mt. Whitney
Crack 10500

Brookside Meadows

Whitney Meadows Sept 6

3890 Poa

Sagebrush, Mt. Whitney
Sept 6

3891 Poa

dolls = 3834

3892 Poa

Siberian Outpost

a large meadow
downy daisy-like flowers
the meadow is in the
open white meadow
does not appear to be

3893

in the snow

open sandy woods
between the rocks

3894

dolls = 3834

3895

3896

3897

3898

3899

3900

3901

3902

Golden Trout Creek Sept 7

3903

Along bank of creek 8000

3904

Along creek at Tunnel

Some grass in water, mostly

large spires on the soil

the meadow is a clearing from

radical burn, all grasses

3905

3906

Probably same as 3858
Sp. more slender.

3860 *Elymus*
Near open gravel river
Oak, Walnut Bridge

So. to Lillie
Sept 8

3861 *Panicum*
Along Lillie River

Lillie River to Hockett
Sept 8

3862 *Stipa*
Open wooded hillsides, Lillie
River

3863 *Euphorbia*
Dry open woods, Sand Creek
5500, flowers are open
So. to, very abundant here

3864 *Sitona*
dry open woods

3865 *Colaptes*
Along creek

3866 *Poa*
Dry open woods

3867 *Hemlock*
Sandy gravel near creek

3868 *Puccinellia*?
Pebbles along creek

3869 *Sorghum*
Woods along creek
Sept 8

3870 *Sorghum*
ditto

3871 *Hemlock*
Pebbles along creek = 3862?

3872 *Euphorbia*
ditto

Aug 15

3873 *Paspalum*
In garden at Murrey

3874 *Paspalum*
Campus ditto large
bushes

3875 *Lophochlaena*
ditto

3876 *Euphorbia* (large?)
Campus common

- variable
- 3878 *Briza*
ditto
- 3879 *Peribolus oxypleus*
ditto
- 3880 *Bouteloua Relvata*
ditto
- 3881 *Panicum (hirscaule) Presl*
ditto
- 3882 *Panicum arizonicum*
ditto
- 3883 *Leptochloa nana*
ditto. smooth
- 3884 *Eriochloa*
ditto
- 3885 *Eriochloa heterochaeta*
ditto
- 3886 *Eriochloa*
ditto
- 3887 *Arctostichia*
ditto
- 3888 *Azidochloa*
ditto
- 3889 *Bouteloua palestachya*
ditto

- 3890 *Bouteloua aristata*
ditto
- 3891 *Chasmodon*
ditto
- 3892 *Chloris elegans*
ditto
- 3893 *Brizopyrum pulchellum*
ditto
- 3894 *Panicum (hirscaule) Presl*
Bouteloua in det.
- 3895 *Panicum fasciculatum*
Charlaguense (det. Bock)
- 3896 *Arctostichia (divaricata)*
hill near Laboratory, rocky soil
- 3897 *Bouteloua curtipendula*
ditto
- 3898 *Heteropogon contortus*
ditto
- 3899 *Bouteloua dimorpha*
ditto
- 3900 *Pycnostachya Wrightii*
ditto
- 3901 *Brizopyrum (montana)*
ditto
- 3902 *Muhlenbergia Porteri*
ditto

3503 Sporobolus longifolius
pe. fruit of seed, dille

3504 Leptochloa ^{mucronata}
fulchella dille
leafy dille

3505 Leptochloa (pseudoballia)
only a small form of 3503

3506 Eragrostis
Rough dille

3507 Bouteloua aristata
dille. Some are quite
pubescent on spikes

3508 Aristida
dille

3509 Panicum (hirs.) caule
dille

3510 Aristida
dille

3511 Trich. pulchella
dille

3512 Collinsia
Hill above Libany

3513 Helianthus
dille

3514 Chusquea
dille

3515 Volcan. Saccharum
dille

3516 Helianthus annuus longifolius
dille, erect bunches

3517 Leptochloa viscosa
Low ground along road

3518 Paspalum distachium
dille

Alamos Mexico Sept 17

3519 Bouteloua
along track at station

3520 Eragrostis
dille

3521 Eragrostis
dille

3522 Eragrostis
dille

3523 Bouteloua
dille

3524 Helianthus annuus
dille

3525 Chusquea
dille

3526 Panicum hirticaule
Pred

3527 *Panicum arisida*

ditch
3528 *Panicum*
ditch

3529 *Aristida*
ditch

3530 *Leptochloa mucronata*
ditch

3531 *Leptochloa mucronata*
ditch, along ditch,
at San Marcos

Hermosillo
Along track south of Hermosillo

10 miles (beginning of track)

3532 *Sorghum*
along ditch

3533 *Panicum arisida*
dry soil

3534 *Panicum*
dry soil

3535 *Helianthus*
dry soil

3536 *Panicum* with roots
dry soil

3537 *Aristida*
dry soil

3538 *Chloris elegans*
along ditch

3539 *Eriochloa*
along ditch

3540 *Aristida*
dry soil

3541 *Panicum hirticaule* Presl
along ditch, annual,
growth

3542 *Panicum arizonicum* Torr.
along ditch

3543 *Leptochloa mucronata*
along ditch

7 see next page

1969 Seattle Wash
These numbers are repeated
3550 *Bromus* lower panicle branches
drooping
vacant lots June 14

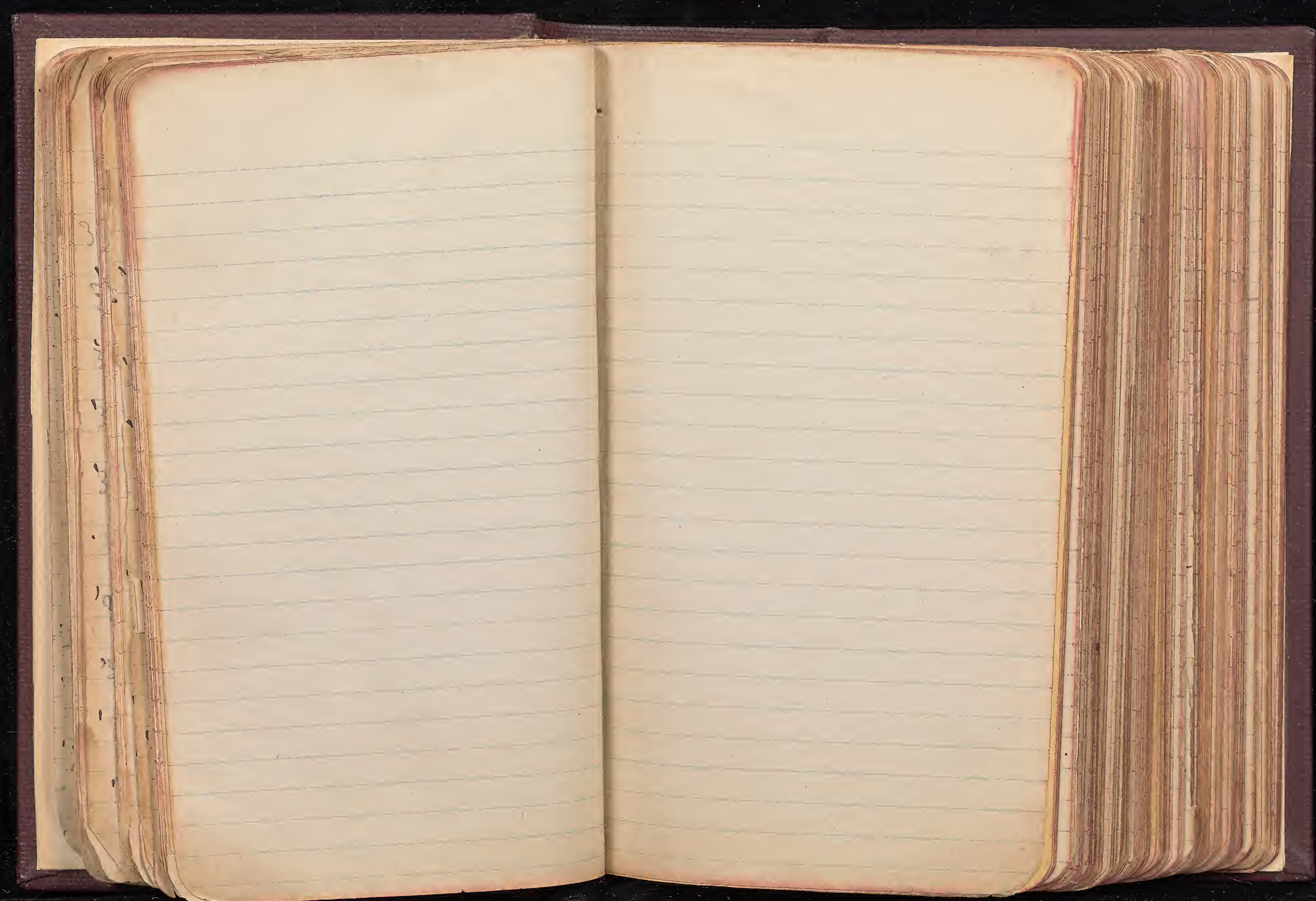
3551 *Bromus*
vacant lots
same

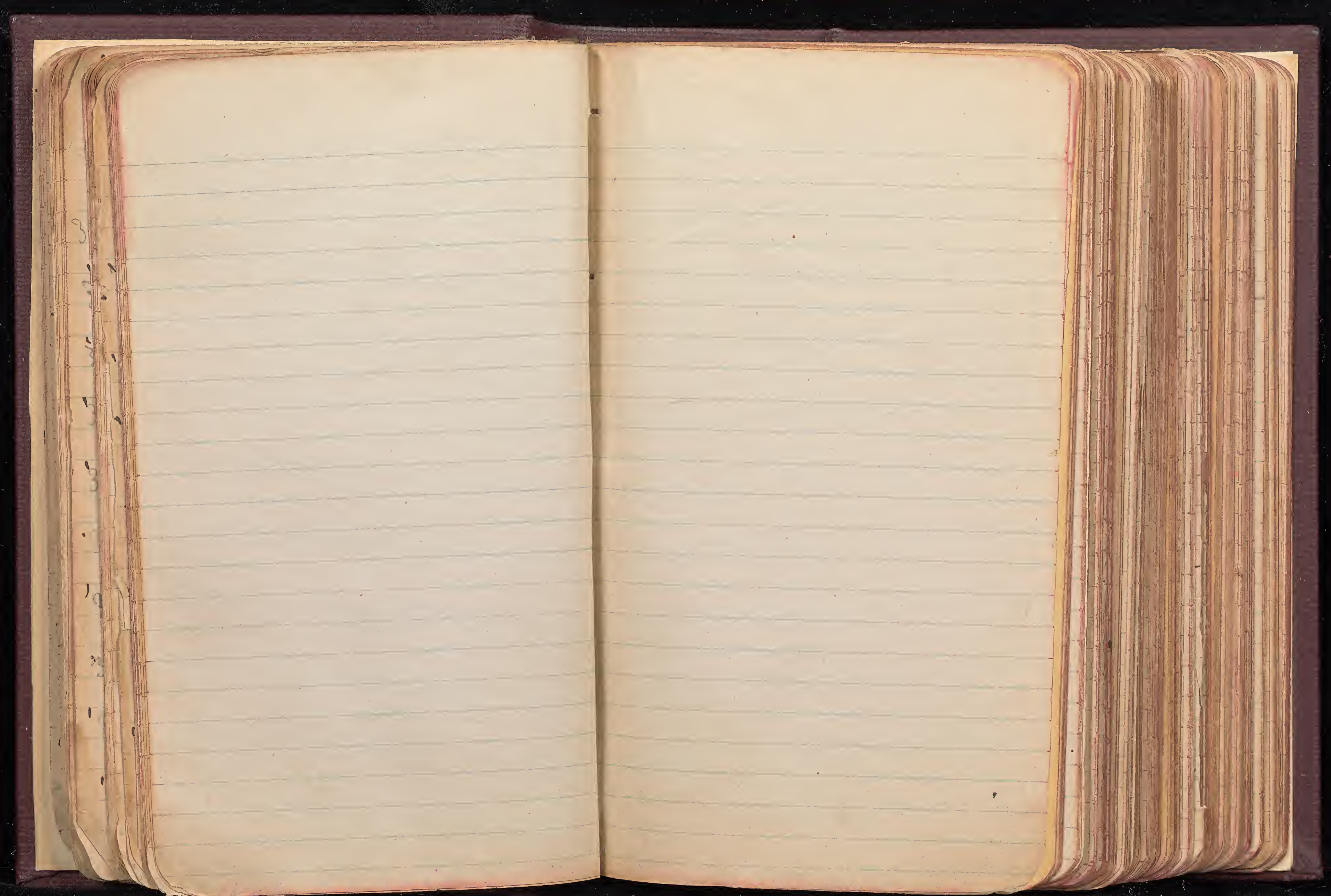
number used for
Gudymas plot
255-2 Bromus hordeaceus
vacant lots, Seattle
Wash. June 14

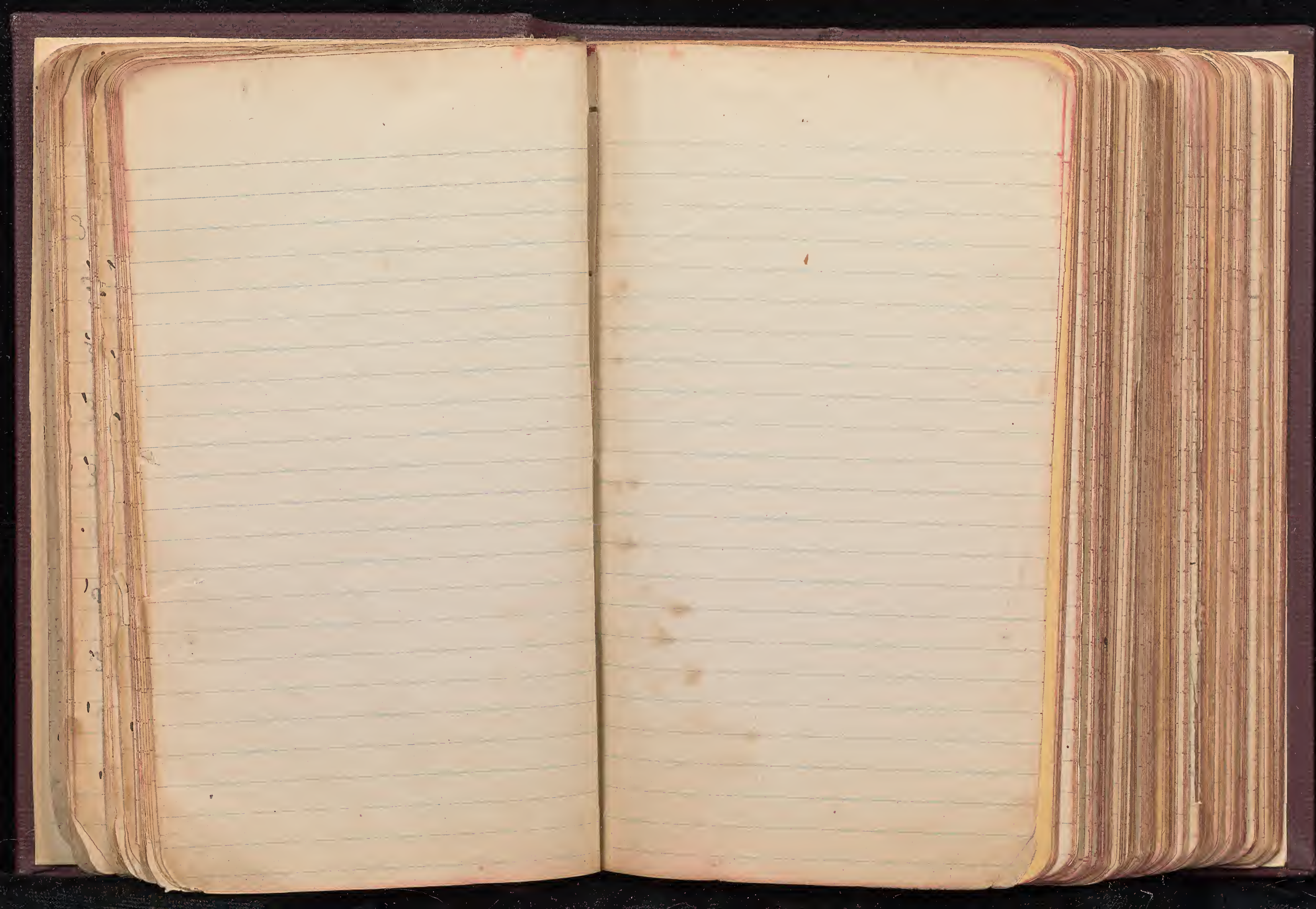
3544 Panicum proccocius H.
cited original prairie
Belleville, Kan
June 1

3545 Panicum wilcoxianum
original prairie
[30] Belleville Kan
not it June 1

Don't use this number
- see Gudymas plot





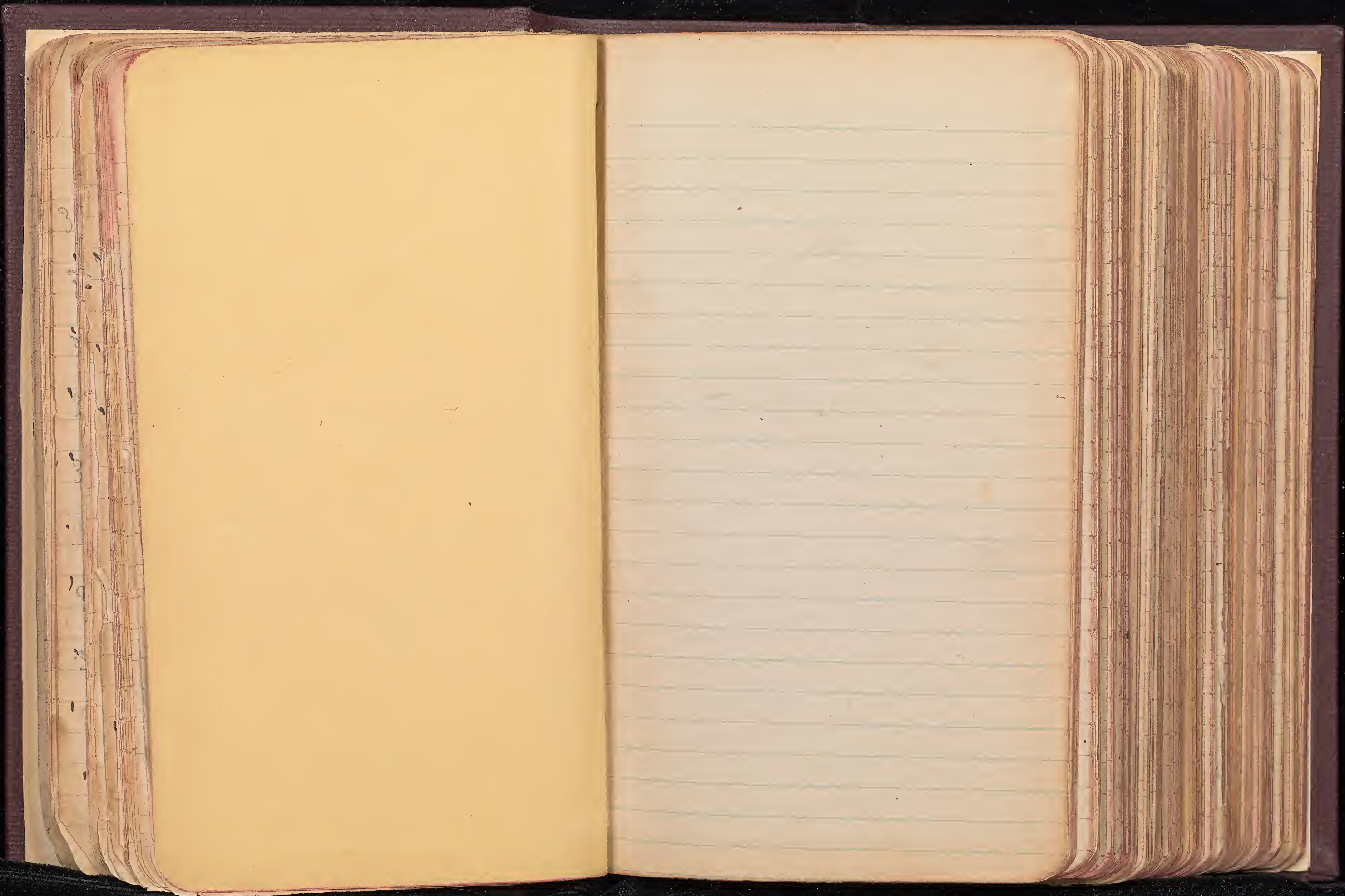


3544 $\frac{1}{2}$ - 3866

3984

at San Rafael
Shawmut
Wells
Oakland
" "

75
38
5
10



3544 $\frac{1}{2}$ *Leucopogon* ~~max~~ Sept 16
alaba scoparium,
Rocky lower hill.

3545 *Aristida densa*
ditto.

3546 *Leucopogon*
ditto.

3547 *Panicum hirticaule* Presl
ditto.

3548 *Chaptalia grisebachii* A. N. S. P.
ditto (common)

3549 *Conoclinium* (as *leucocoma*)
ditto

3550 *Leptochloa muricata*
ditto in moist clay

3551 *Leucopogon*
Rocky soil near bay, stamens
spreading

3552 *Conoclinium*
Gravelly soil near bay

3553 *Panicum hirticaule* Presl
Soil near bay on beach

3554 *Sporobolus argutus* Kth
Gravel near bay

3555 *Aristida*
Rocky soil

3557 Monticola
along road in clay soil

3558 Helianthus
Reddy Green Hill

3559 Lepidobolus (pale)
dlt. small, purple stem

3560 Panicum colonum
along road

3561 Penn. fasc. chartagineum
dlt. - flower pale

3562 Penn. arizonicum L. M. 3574
dlt.

3563 Anemone borbinodora
Cliff - small

3564 Sporobolus argutus Kth
open sandy place in yard

3565 Lepidobolus mucron
dlt., in all forms

3566 Eragrostis Mexicana
dlt.

3567 Eragrostis
dlt.

3568 Dactyl. Aegypti
weird in Park

3569 Lepidobolus mucron
weird in Park

3570 Eragrostis - small
weird in Park

3571 Eragrostis
weird in Park

Alphonsillo Sept 19

3572 Chloris
In meadow along river

3573 Panicum hirticaule Presl
dlt.

3574 Eragrostis major
dlt.

3575 Paspalum distichum
dlt., along ditch

3576 Eragrostis Mexicana
dlt.

3577 Lepidobolus umbrosum
dlt., along ditch

3578 Cynodon
dlt.

3579 Dactyl. Aegypti
dlt.

3580 Panicum colonum
dlt.

3581 Cynodon Dactyl.
dlt.

3552 *Syntherisma*
ditto

3553 *Bouclou* *reiterbachii*
ditto

3554 *Syntherisma*
ditto

3555 *Leptobolus muscoides*
ditto, small

3556 *Chasmodon* (perpetua)
in a lake soil, moist
seems different from the
one I saw in California
soil. The base of the
stem flattened like a scale.

3557 *Chasmodon*
cult soil, -

3558 *Poa sanguinea*
cult soil

3559 *Arctostaphylos*
mosses near river

3560 *Chasmodon*
ditto

3561 *Lept. muscoides*
ditto, very pale

3562 *Chasmodon*
ditto

3563 *Syntherisma*
ditto

3564 *Bouclou* *antidoteus*
ditto

3565 *Sporobolus cyllaneus*
ditto

3566 *Arctostaphylos*
ditto

3567 *Cenchrus ciliatus*
ditto

3568 *Panicum fasciculatum*
ditto

3569 *Panicum eragrostis*
along ditch

3570 *Paspalum pubiflorum*
along ditch

3571 *Paspalum*
along ditch

3572 *Cenchrus*

3573 *Arctostaphylos*
along ditch

3574 *Arctostaphylos*
Rocky hill or cliff soil of
town, probably = 3566

3575 *Panicum Chastanolei*
ditto

3605 *Chenopodium*
dille

3606 *Leptochloa* *micrantha*
dille

3607 *Chenopodium*
dille

3608 *Paspalum* *hirsutum*
dille

3609 *Bambusa* *condensata*
dille

Sept 20

3610 *Imperata*
along bank of ditch, east
of pit

3611 *Chenopodium*
dille

3612 *Leptochloa* *versicolor*
sand of river bank

3613 *Imperata*
along ditch

3614 *Astilbe* *sp.*
near field

3615 *Paspalum*
near ditch in bank of river

3616 *Paspalum*
dille forming large

Palms - I saw one *Centurus*
lobatus Aug 3 3615 or 16
Chenopodium *rubrum* & also
common here

3617 *Imperata* *hirsuta*
along bank of river

3618 *Chenopodium*
dille, forming panicle
rosettes

3619 *Chenopodium*
dille

3620 *Pennisetum* (*hirsutum*)
near field - differs
from one in wet ground, forms
small green panicle

3621 *Pennisetum* (*hirsutum*)
along ditch, erect in
large bunches

3622 *Paspalum*
dille, large bunches erect
near a low grassy

3623 *Paspalum* *pubiflorum*
dille

3624 *Distichlis*
along ditch

3625 *Chenopodium*
dille, large bunch

erect, leaves erect, upper
green below, glaucous above

3020 Distichlis
Santa Ana, along trail

Along R. trail about 11 miles
south of Nogales. S.M.

- 3027 Eriochloa
3028 Eriochloa major
3029 *Andropogon barbinodis*
3030 Sporobolus cyllarioides
3031 Panicum hirticaule
3032 Sporobolus
3033 Boutelou curtipendula
3034 Eriochloa major
3035 Aristida divergens
3036 Chloris elegans
3037 Pan. Arizona S.M.
3038 Boutelou curtipendula
3039 Sporobolus cyllarioides

end of Mex

Palagonia Sept. 21 Ariz

- 3040 Eriochloa major
3041 Eriochloa major
3042 Eriochloa major
3043 Eriochloa major
3044 Eriochloa major
3045 Chloris elegans
3046 Pan. obtusum HBK
3047 Sporobolus
3048 Sporobolus
3049 Pan. obtusum HBK
3050 Pan. obtusum HBK
3051 Pan. obtusum HBK
3052 Pan. obtusum HBK
3053 Pan. obtusum HBK
3054 Pan. obtusum HBK
3055 Pan. obtusum HBK
3056 Pan. obtusum HBK
3057 Pan. obtusum HBK
3058 Pan. obtusum HBK
3059 Pan. obtusum HBK
3060 Pan. obtusum HBK
3061 Pan. obtusum HBK
3062 Pan. obtusum HBK
3063 Pan. obtusum HBK
3064 Pan. obtusum HBK
3065 Pan. obtusum HBK
3066 Pan. obtusum HBK
3067 Pan. obtusum HBK
3068 Pan. obtusum HBK
3069 Pan. obtusum HBK
3070 Pan. obtusum HBK
3071 Pan. obtusum HBK
3072 Pan. obtusum HBK
3073 Pan. obtusum HBK
3074 Pan. obtusum HBK
3075 Pan. obtusum HBK
3076 Pan. obtusum HBK
3077 Pan. obtusum HBK
3078 Pan. obtusum HBK
3079 Pan. obtusum HBK
3080 Pan. obtusum HBK
3081 Pan. obtusum HBK
3082 Pan. obtusum HBK
3083 Pan. obtusum HBK
3084 Pan. obtusum HBK
3085 Pan. obtusum HBK
3086 Pan. obtusum HBK
3087 Pan. obtusum HBK
3088 Pan. obtusum HBK
3089 Pan. obtusum HBK
3090 Pan. obtusum HBK
3091 Pan. obtusum HBK
3092 Pan. obtusum HBK
3093 Pan. obtusum HBK
3094 Pan. obtusum HBK
3095 Pan. obtusum HBK
3096 Pan. obtusum HBK
3097 Pan. obtusum HBK
3098 Pan. obtusum HBK
3099 Pan. obtusum HBK
3100 Pan. obtusum HBK

3650 Lepidob. dubia
gravel along by small pool

3651 Lepidob. dubia
near along by, as usual
2 ft high

3652 En. yds near Mexican
flat under in gravel
along by.

3653 Aristid. divisa
near along by

3654 Atriplex (barbata)
della.

3655 Borelodon cuneifolius
della

3656 Borelodon
della, long branch
leafy, but a large Borel.
just above - but different

3657 En. yds near Mexican?
soft, but color not
of whitish is usual
gravel along by

3658 Pan. can. thirticaule
della, certainly not P.
capellii

3659 Chaetochloa composita
(H. B. K.) S. & M.
della

3660 Chaetochloa composita
della, M. & M. = 3659

3661 Pan. oblongum HBK
della, runs all over

3662 Chaetochloa grisebachii (Tourn.)
della
Gambel.

3663 Valer. scaberrima
della

3664 Chrys. flag.
small form in gravel by

3665 Borelodon aristatus
della

3666 Pan. Cr. galli
field in river bottom
all the plants were dead -
argued

3667 Atriplex
near along by

3668 Borelodon
della

3669 Pichon
small form in gravel along
track

3670 *Ruellia*
Probably *Ruellia* form
S. near Mexican bank
on River bottom

3671 *Eragrostis*
ditto

3672 *Aristida*

3673 *Leptochloa* *uncinata*
along track

3674 *Aeluropus* *halimifolius*
w. field

3675 *Panicum* *hirticaule*
in grass along track
with same 3678?

3676 *Portulaca* *discolor*
near ground in river
bottom

3677 *Portulaca* *discolor*
= 3676. It is green but
in addition some
along edge among stones
in box it had seen with

3678 *Chaetochloa macrostachya* (H.B.
S. & T.)
shrub along track

3679 *Chaetochloa grisebachii* (Tourn.)
Scribn.
ditto - 3678, ditto

3680 *Chaetochloa grisebachii* (Tourn.)
Scribn.
along edge of, strong grass

3681 *Ruellia*
Rock, cliff

3682 *Panicum* *colosum*
upward in field

3683 *Polygala*
along river bank, wet soil

3684 *Berula*
near of river bottom

3685 *Sporobolus*
Sand in river bottom

3686 *Portulaca* *discolor*
Sand along river bank
It has spikes, came from
it bunch but it has
spikes do not have spikes

3687 *Eragrostis*
high, cañon, perennial
ditto, clumps, erect

3690 Lepidocarpus
Rocks, long decumbent
Grass, Don't look like
Lepidocarpus Rocks

3691 Eleusine
Rocks, common

3692 Brachiaria brachyloba
della

3693 Brachiaria brachyloba
della

3694 Pan. plenum Hec
della, looks like P. simplicifolium

3695 Pan. griseum cum sum
Slender, tall, very dense

3696 Brachiaria brachyloba
della

3697 Sporobolus
della - 3696?

3698 Hel. Brachiaria brachyloba
della

3699 Hel. Brachiaria brachyloba
Rocks, common

3700 Brachiaria brachyloba
Slender, rocky hill

3701 Aristida
della

3702 Brachiaria
della

3703 Aristida
della - perennans

3704 Leptochloa (palea)
grassy plain or common

3705 Cynodon
della

3706 Panicum hallii Vao
Slender, tall, hill

3707 Paspalum brachyloba
della

3708 Paspalum brachyloba
della

3709 Eragrostis
della

3710 Aristida
della

3711 Aristida
della - large bushy perennial

3712 Brachiaria brachyloba
della

3713 Brachiaria brachyloba
della, grassy plain or
the slender hill

3714 — polynorpha
Rudolph hill, a few
from this name but I see
no other difference

3715 Stipa filicultrata ^{Walt.}
~~hymenocarpa~~ (det. H. S. Gentry)
dell. in oak woods

3716 Panicum bulbosum sciaphilum ^(Raf.)
Canal open oak woods
Smaller than delicate,
like 3689, culms few, or 4
many in a loose bunch, culms
thin at base, with scirpoid bulb
Panicum loosely flowered, spike
pubescent

3717 Andropogon
Canal

3718 Andropogon
dell. = 3717 but more
silvery

3719 Neubergia
dell. among shrubs
low, like next but panicle
more embossed

3720 Neubergia
dell.

3721 Agrostis
dell.

3722 — polynorpha
as it occurs in the canal
bunches small, & culms
rather delicate.

3723 Andropogon
dell.

3724 Eleusine
as it occurs in the canal

3725 Eragrostis
canal.

3726 Eragrostis
dell.

Benson Ariz. Sept 22

3727 Andropogon
dry soil along track near
station.

3728 Chloris
dell.

3729 Eragrostis
dell.

3730 Panicum hirticaule Presl
dell.

3731 Eragrostis major
dell.

3732 Bambusa
dell.

3733 *Donatoloma*
dellu

3734 *Em. parli*
dellu

3735 *Helianth*
dellu

3736 *Pan obtusa* Spurb. W. Mex.
dellu

3737 *Pan obtusa* HBK
dellu, with runners

Stunning N. Mex. Sept 23

3738 *lig. n. m. s. a. l. v. p. b. t. r. u. c. h.*

3739 *Arctida*

3740 *Muehlenbergii*

3741 *Donatoloma*

3742 *Muehlenbergii*

3743 *Helianth*

3744 *Sparganium angustifolium*

3745 *Arctida*

3746 *Tragus*

3747 *Arctida* 1/2 bunch

3748 *Arctida*

3749 *Sparganium angustifolium*

3750 *Sparg. angustifolium*

3751 *Arctida* *brunneum*

dellu - Sept. 23. In irrigated
field of alfalfa.

3752 *Agropyron holopurum*

3753 *Chloris*

3754 *Dracopis heterophylla*

3755 *Chaetochloa venusta*

3756 *Pan. coloratum*

3757 *Bouteloua aristata*

3758 *Chaetochloa composita* H. B. K.
3-4 m.

3759 *Agropyron*

3760 *Pan. virgatum* (with pubes) all stems are sheathed

3761 *Pan. barbipulvinatum* Hall

3762 *Sparg. angustifolium*

3763 *Panicum hallii* Vasek

3764 *Pan. obtusum* HBK

3765 *Diachloa*

3766 *Syntherisma sanguinalis*

3767 *Muehlenbergii*

along R. track

3768 *Eriocarpus*

dellu, large bunches, culms
up to 3-5 ft.

Mesilla Park, N.M.
 Organ Mts. - Gilemore
 Canon 6500-6500 Sept

- 3768 *Ilepa seligera*
- 3769 *Muhlenbergia*
- 3770 *Muhlenbergia*
- 3771 *Muhlenbergia*
- 3772 *Prunus parteri*
- 3773 *Ilepa*
- 3774 *Alpargoson arizonicum*
- 3775 *Muhlenbergia*
- 3776 *Slp. (pink)*
- 3777 *Koeleria*
- 3778 *Alfalfa stolonifera*
- 3779 *Prunus*
- 3780 *Ambrosia bartramia*
- 3781 *Bouteloua oligostachya*
- 3782 *Muhlenbergia Porteri*
- 3783 *Panicum Halim. Vas*
- 3784 *Pan. bulbosum sciaphilum*
- 3785 *Aristida bronoides*
 at high altitud 6500
 Reddish brown
- 3786 *Chaetochloa grisebachii* (St.)
 annual
- 3787 *Bouteloua curtipendula*
- 3788 *Sporobolus confusus*

- 3789 *Aristida*
- 3790 *Bouteloua hirsuta*
- 3791 *Poa (pedicularis)*
- 3792 *Sitania*
- 3793 *Eragrostis*
- 3794 *Aristida*
- 3795 *Muhlenbergia*
- 3796 *Chaetochloa composita* (St.)
 3796
- 3797 *Eragrostis*
- 3798 *Leptochloa dubia*
- 3799 *Valeriana saccharum*
- 3800 *Sporobolus*
- 3801 *Muhlenbergia*
- 3802 *Bouteloua curtipendula*
- 3803 *Aristida*
- 3804 *Sporobolus strictus*
- 3805 *Aristida brevis*
 from mesa
- 3806 *Bouteloua*
- 3807 *Tragus*
- 3808 *Triodia pulchella*
- 3809 *Eragrostis major*
- 3810 *Pappophorum Wrightii*
- 3811 *Sporobolus flexuosus*
- 3812 *Eragrostis*

3813 *Pennisetum* Aristida

~~3814 Aristida~~

general
Wm. later
field, near the station
Sept 26

3818 *Sporobolus* anous

3819 *Muhlenbergia* sp.

3820 *Elymus*

3821 *Elymus* *capensis*
all shut out

3822 *Chaetochloa composita* (H. B. K.)

3823 *Panicum barbigulvatum* Kunz

3824 *Elymus* *capensis*

3825 *Paspalum* *distachyon*

3826 *Elymus*

3827 *Elymus*

3828 *Chloris* *elegans*

3829 *Muhlenbergia* *capensis*

3830 *Andropogon* *ischaemum*

3831 *Lepidochloa* *ambigua*

3832 *Elymus* *capensis*

very (all) from all
yoburnel, in a lot, with

3833 *Sporobolus* *stolonatus*

3834 *Panicum* *capensis* HBK

3835 *Aristida* *brevifolia*

Marshallan Kan, Sept 27

Marshall, along Wallace's road

3832 *Muhlenbergia* *capensis*

3833 *Elymus* *capensis*

3834 *Panicum* *capensis*

3835 *Panicum* *capensis*

3836 *Muhlenbergia* *capensis*

3837 *Elymus* *capensis* Scribn. & Sm.

3838 *Panicum* *capensis* Mx

3839 *Andropogon* *ischaemum* Mx

3840 *Panicum* *capensis* L

3841 *Chrysopsis* *capensis*

3842 *Panicum* *capensis* L

3843 *Tridax* *floridana* (L.) Hitchc

3844 *Muhlenbergia* *capensis* Mx

3845 *Eragrostis* *capensis* Mx

3846 *Sporobolus* *capensis*?

panic, all included

3847 *Sporobolus* *capensis* Mx

3848 *Andropogon* *ischaemum*

3849 *Panicum* *capensis*

3850 *Andropogon* *ischaemum*

in sun - weedy
3859. Part of plants
have several open

panicles

3857 *Poa capillaris* L.

Posture. Stem zigzag

3852 *Brachypodium pinnatifidum*

3853 *Poa pauciflora* Nutt

Same evening - Spring

State

3854 *Poa serotina* Nutt

fall state

3855 *Sporobolus vaginifolius*

On way to Mt Hood Oregon
July 1. 1908

3856 *Festuca*

3857 *Trisetum*

glacial moraine, July 3

3858 *Poa*

3859 *Trisetum*

3860 *Phleum*

3861 *Festuca*

3862

3863

3864

type coll.

3865 *Panicum nodatum* H

Corpus Christi

(Sarita) to Brownsville Tex

Aug 7, 1904

3866 *Panicum firmulumb*

Sarita, Corpus Christi to Brownsville, Tex. Aug 7, 1904.

Pasp left with

3867 *Pasp lividum* Galveston Tex 1903

3868 *Pasp dilatatum* Wil

mington NC

3869 *Pasp dilatatum*

Lake City Fla 189

3870 *Pasp dilatatum* Stone

(30) 150 H & C

Ga Aug 23 19

3871 *Pasp dilatatum*

Baton Rouge La

3872 *Pasp virgillii*

Wilmington NC 1905

3873 same Orangeburg SC

(30) 160 H & C

Aug 19, 1905

3874 same - Baton Rouge

La 1904

3875 same Galveston Tex

1903

3876 *Pasp laeve* Cape Henry Va

Sept 4 1905

3877 *Pasp laeve*, Virginia

Aug 1902

Beach Va.

3878 *Pasp laeve* Wilmington

NC

3879 *Pasp laeve* Orangeburg

(30) 120 H & C

Aug 15 1905 SC

3880 Pasp laeve Chehaw
1904 Ala

3881 Pasp laeve Roan Mt
July 25, 1905 Tenn

3882 Pasp longipilum Nash
173 H^c Asheville NC Aug 9 1904
(30)

3883 Pasp longipilum
Aug 1905 Baltimore NC
(174 H^c)
(30)

3884 Pasp longipilum
Wilmington NC 1905

3885 Pasp longipil
(194 H^c) Wilmington Aug 28 1905
(30)

3886 Pasp longipilum
Stone Mt Ga
Aug 1905

3887 Pasp longipilum
Birmingham Ala
1898

3888 Pasp longipilum
Mobile Ala 1904

3889 Pasp longipilum
Baton Rouge La
Aug 7 1904

3890 Pasp circulare laeve
Baton Rouge La Aug 7 1904

3891 Pasp laeve
Corpus Christi Aug 1904

3892 Pasp lentiferum
(245 H^c) Wilmington NC 1905
(30)

3893 Pasp lentiferum Lam
Stone Mt Ga 1905

3894 *Pasp. lentifolium*
H Myers Fla in 1898

3895 *Pasp. difforme* L.
Suwanee Co Fla 1898

3896 *Pasp. difforme*
Jacksonville 1900

3897 *Pasp. floridanum*
Chehaw Ala

3898 *Pasp. floridanum*
Wilmington NC
30
213 H.C.

3899 *Pasp. florid. glabratum*
College Station Tex
1903

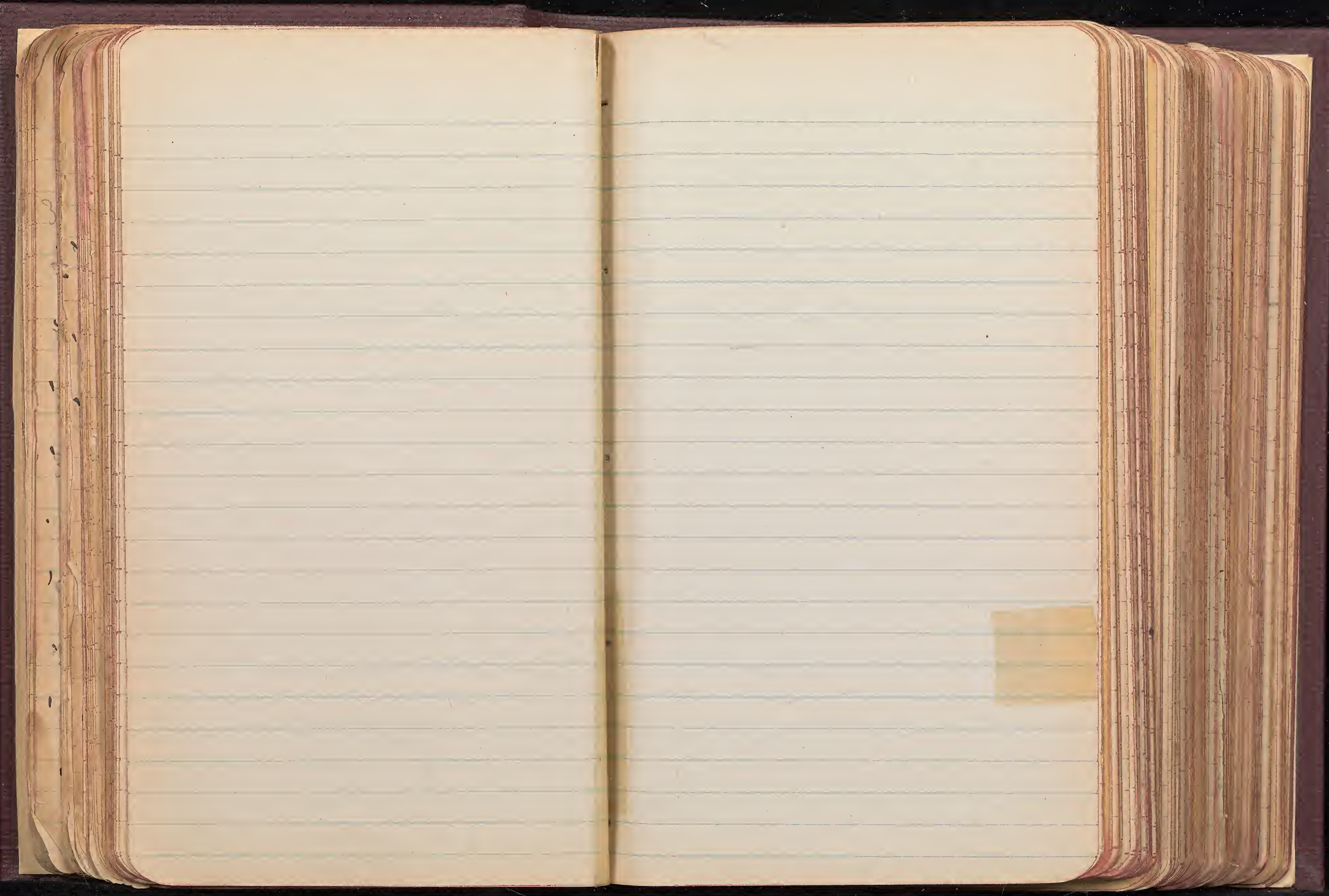
3900 *Pasp. repens*
H Myers Fla

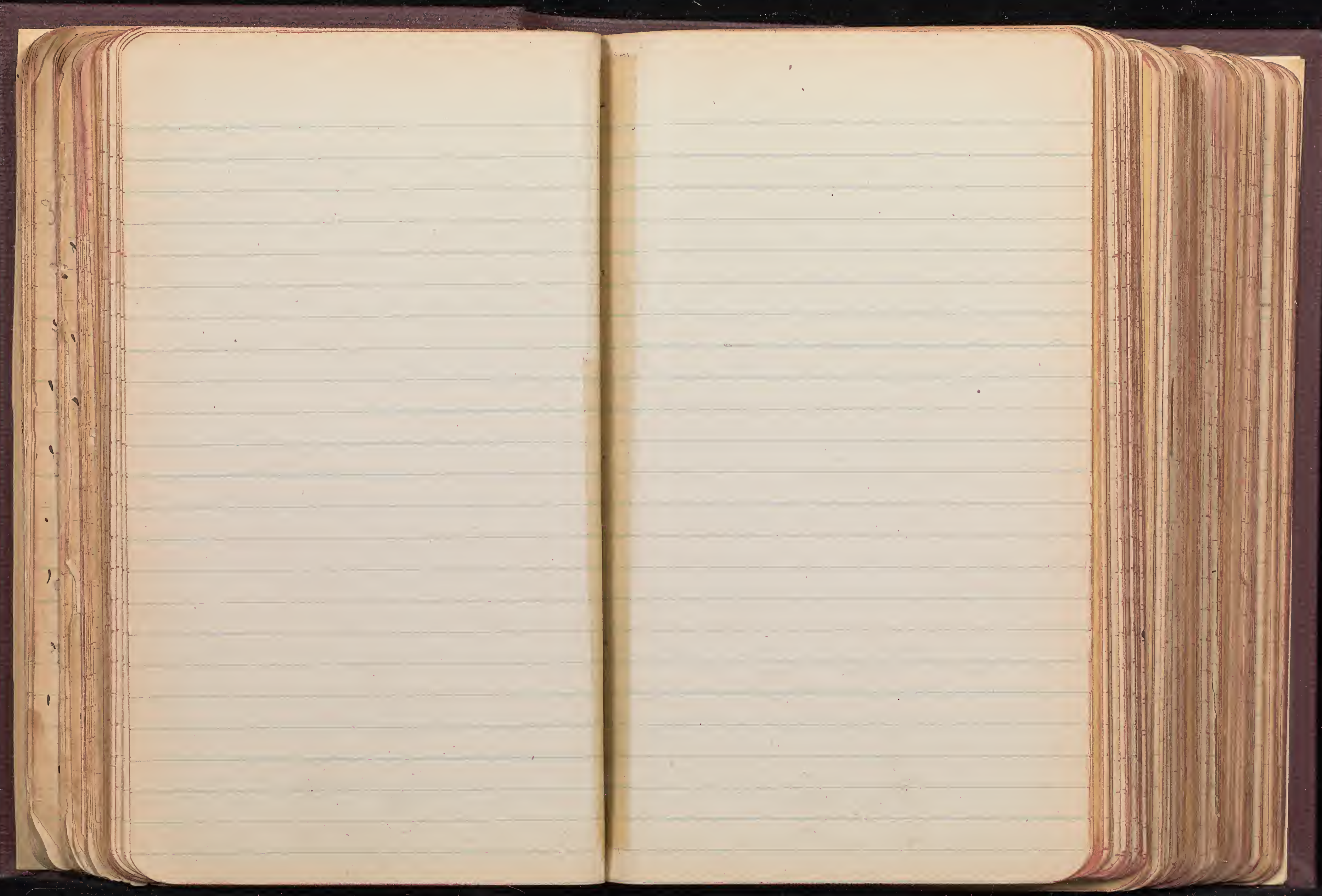
3901 *Pasp. distichum*
Shreveport La 1903

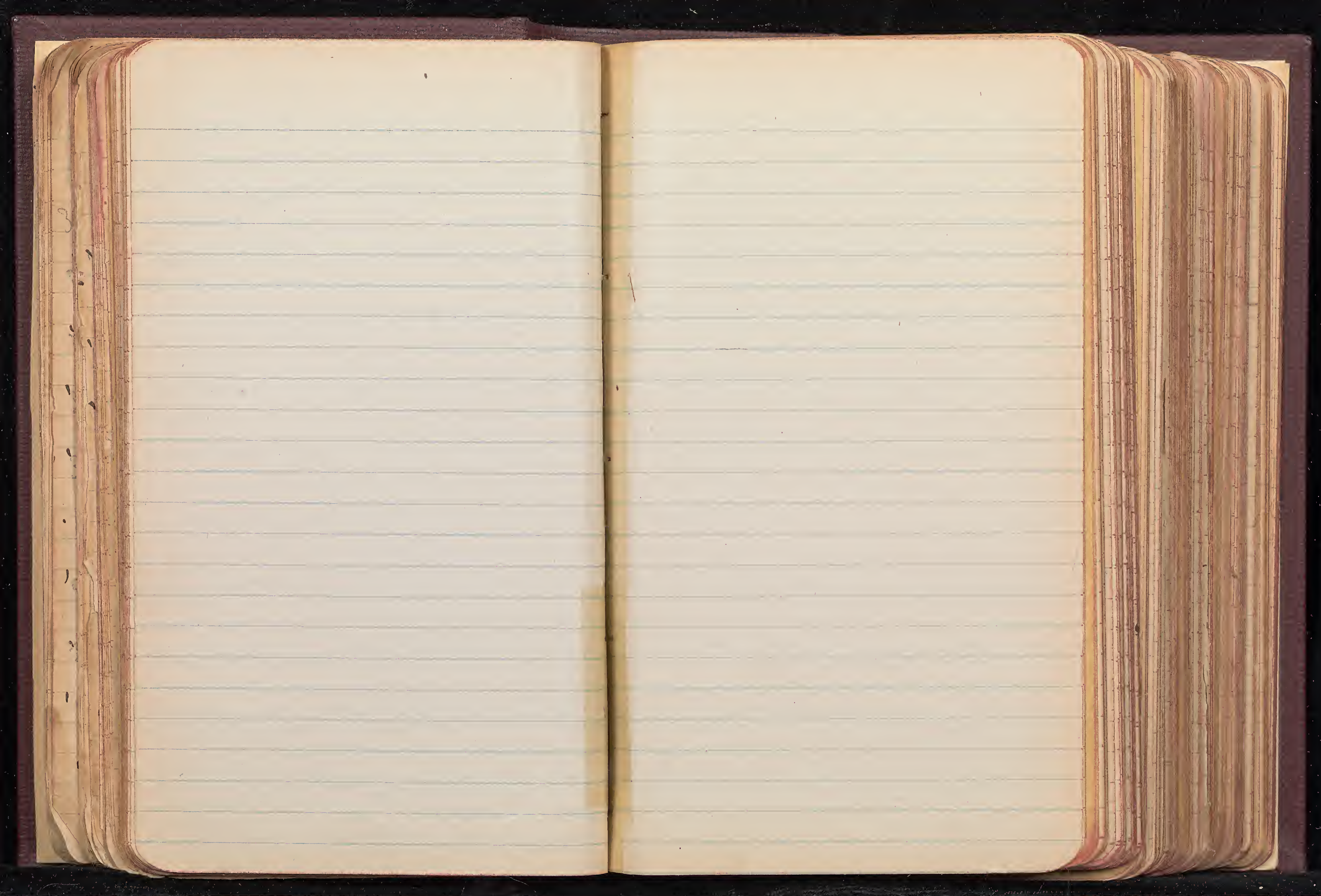
3902 *Pasp. distichum*
Fort Worth Tex 1904

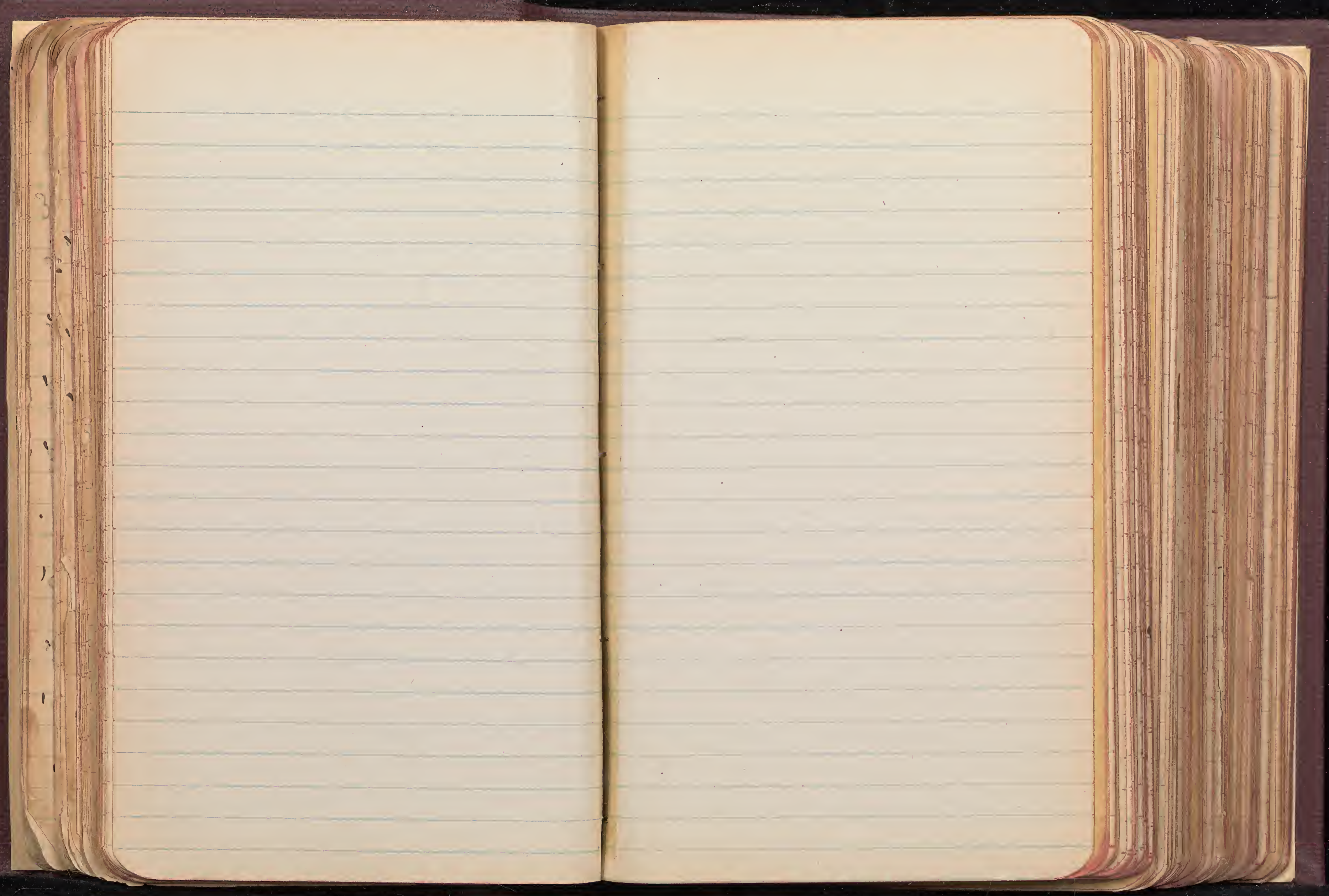
3903 *Pasp. distichum*
Las Cruces N Mex 1903

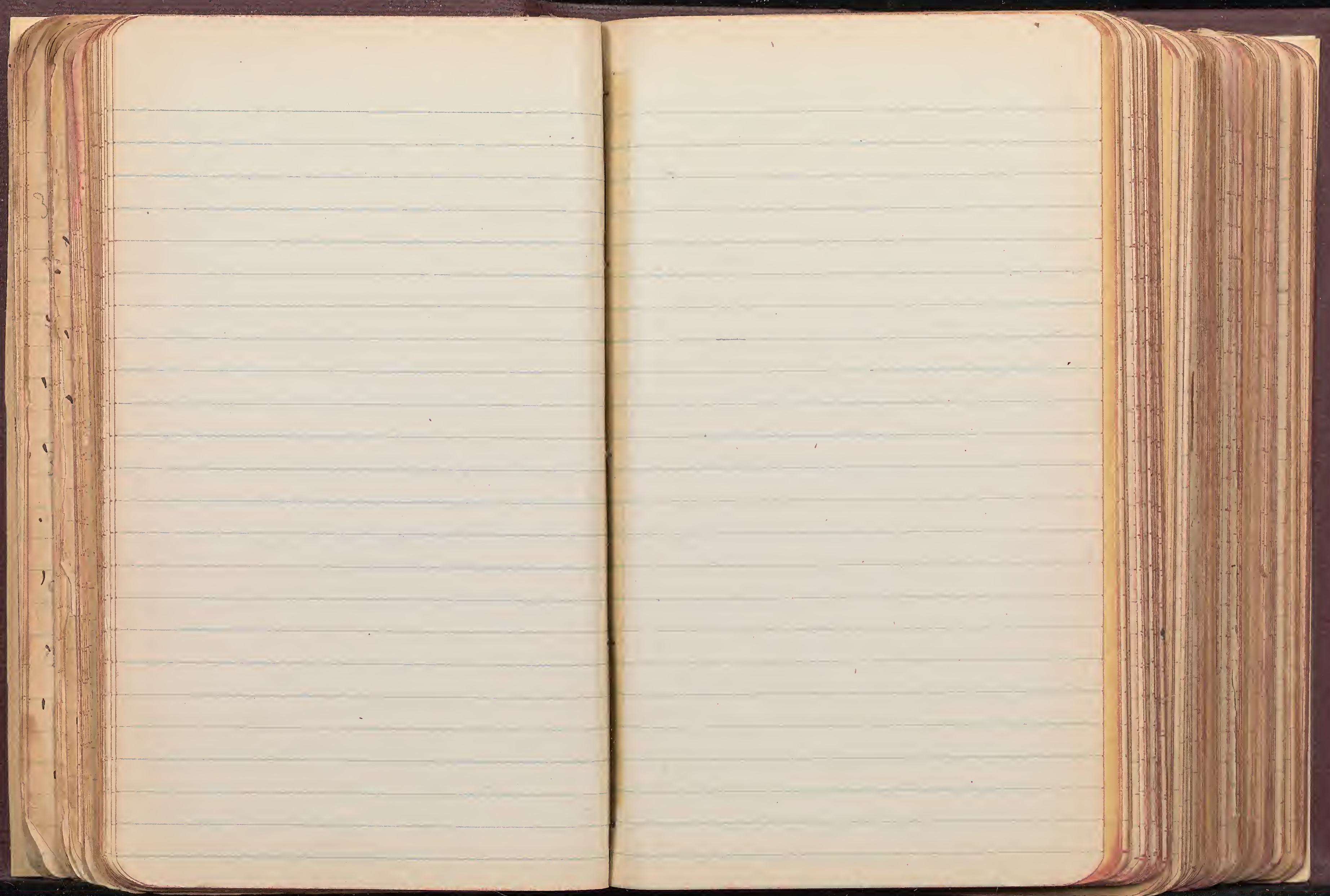
3904 *Pasp. pubiflorum*
San Antonio 1903

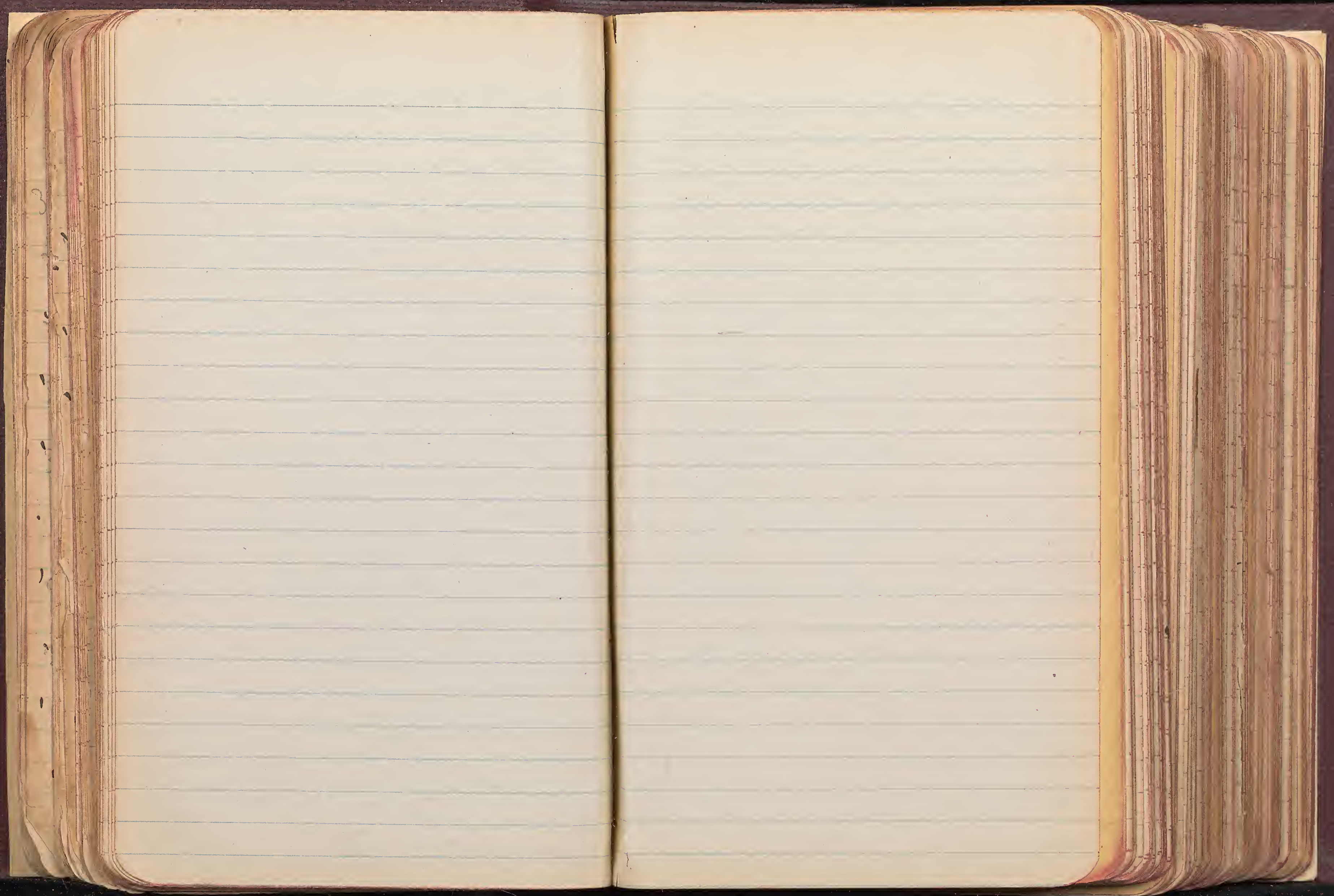












1909

book I

4000 - 4738

1909

Sitka - June 21

4000 ^{Poa pratensis} Poa - Cultivated
seed of Lp. Sta. photo.
common. Panicle prostrate
just-like at base - erect
above. Lower sheath purple
all round, Ligule conspicuous
acuminate. Very smooth
tough. No rootlets.

4001 ^{Poa annua} Poa annua - ditto
common. Some very lux-
uriant.

4002 ^{Poa pratensis} Poa pratensis. Cleared
land. Common in open ground
& variable.

4003 ^{Agrostis vulgaris} Agrostis - Cleared bog.
Large bushes, large perianth.
leafy base of dark leaves
Culms ascending - some
bushy.

4004 *Juncus* ^{*capitata*}
capitata Spring
bog.

4005 *Agrostis* ^{*acuminata*}
acuminata bog
with 4003 but panicle
more spreading & fewer
obovate.

4006 *Allopecurus* ^{*protensis*}
protensis
erect for cultivation
along road sides.

4007 *Sactylis* ^{*glomerata*}
glomerata
Erect along roadsides.

Skagway - June 19
4008 *Poa* ^{*interior Rydb.*}
interior Rydb.
Ry - bunches - glaucous

4009 *Poa* ^{*protensis*}
protensis
Sandy near bed.

4010 *Poa* ^{*trispiculata*}
trispiculata
along Ry - panicle

leaves & culms
no midribs

4011 *Poa* ^{*emmeran*}
emmeran
Sand along Ry.

4012 *Calamagrostis* ^{*acuminata*}
acuminata
low place along Ry

4013 *Eriogonum* ^{*spicatum*}
spicatum
Sand along Ry

4014 *Hordeum* ^{*brevifolium*}
brevifolium
along Ry

4015 *Elymus* ^{*arenarius*}
arenarius
Sand along Ry

4016 *Poa* ^{*protensis*}
protensis dett

4017 *Poa* ^{*interior Rydb.*}
interior Rydb.
Bunches on banks - common

4018 *Festuca* ^{*brachyphylla Nutt.*}
brachyphylla Nutt.
Bunches on banks - rare

Waukegan June 18

4019 *Hordeum boreale*

4020 *Hordeum boreale*

4021 *Hordeum boreale*

4022 *Hordeum boreale*

4023 *Hordeum boreale*

4024 *Poa palustris*

4025 *Poa annua*

Waukegan June 21

4026 *Elymus arenarius*

4027 *Poa palustris*

4028 *Poa annua*

4029 *Poa annua*

4025 *Hordeum boreale*

4030 *Poa palustris*

4031 *Poa palustris*

4032 *Poa palustris*

4033 *Festuca rubra*

4034 *Poa palustris*

4035 *Festuca rubra*

old leaves are dead

Deschampsia cespitosa

4036 *Deschampsia cespitosa*
Succulent basal
form, bunches.

Calamagrostis stricta

4037 *Calamagrostis*
Open boggy ground

Poa pratensis L.

4038 *Poa pratensis* L.
racts. A broad leaved
form - rather common

4039 *Puccinellia maritima* (Nutt.)

Gravel along beach - bunches
spreading or almost prostrate
bunches. all the grasses
of this no. in one bunch, purple

Elymus arenarius

4040 *Elymus arenarius*
Long bunches, along
shore just above high
mark

Poa pratensis L.

4041 *Poa pratensis* L.
common, somewhat succ.

culm. form

Trisetum corymbosum

4042 *Trisetum corymbosum*
Boggy ground - open

Trisetum corymbosum

4043 *Trisetum corymbosum* open
boggy ground

Panicularia pauciflora

4044 *Panicularia*
Open boggy ground. Bunches
creeping, fur a spreading
base, short, purplish
blue, somewhat so.

Poa pratensis L.

4045 *Poa pratensis* L.
boggy ground such as 4044 etc,
tall slender form.

Poa eminens

4046 *Poa eminens*
Gravelly sea beach - glaucous
flowers not fully out.

Poa hispida

4047 *Poa hispida*
Tall mean bunch. Differs
from *P. pratensis* - the involucre
whitish inflorescence, black

broad, color rich light
green. ligule long, soft
longer than P. prostrata, pointed
open & drooping.

4048 *Poa hispida*
Poa = 4015

Sand along shore

4049 *Poa pratensis subserotina*
Poa

Sand & gravel level 4048
= 4038. But I think it is
P. pratensis. ligule very short
black, broad, pointed short
superior. color like P. prostrata
always low & stout
has root sheaths

4050 *Poa pratensis* L.
Poa

thin root sheaths, black
very long, pointed open
& drooping. longer than
very, but same as 4048
but looks different.
bushy sand near shore

4051 *Poa hispida*
Poa = 4048
a tall slender form

4052 *Poa palustris*
Poa

Boggy wet sand shore
short root sheaths, ligule
longer. pointed long soft

4053 *Puccinellia angustata*
Puccinellia

Probably = 4039. but more
tall & green. generally
seen here

June 23
4054 *Phleum alpinum*
Phleum alpinum

Open grassy place near woods.

4055 *Glycyrrhiza plicata*
Glycyrrhiza plicata
River bank at edge of woods

4056 *Poa stenantha* Trin
Poa (stenantha) Trin

Open place near Dickson
River. The hard flat wash
is paved by water. Short
root sheaths, making loose
bunches. Color somewhat
glaucous.

4057 = 4055. *Poa palustris*
Poa palustris
Gravel near

shore, gl. basal black
fine numerous

4058 *Calamagrostis* *canadensis*
Rocky soil.

4059 *Poa annua*
Open ground - common

4060 *Agrostis nemoralis* *perennans*
4060 1/2 *Agrostis borealis*
Open ground.

4061 *Phleum aegyptium*
30 Open grassy ground

4062 *Poa pratensis* L.
Shrubby ground in a marshy
clump of low shrub. One of
of *P. pratensis*, the lower
part of branch, short - even
they not be *pratensis* but
be several shoots.

4063 *Poa pratensis* L.
luxuriant form in open

marshy ground.

4064 *Poa pratensis* L.
Dry open ground, poor branch
upward, basal leaves slender.

4065 *Trisetum cernuum*
Trisetum spicatum
Dry ground, soil very
poor - apparently
richly glandular.

4065 1/2 *Trisetum spicatum*
4066 *Poa palustris*
Open ground, common
in low = 4000?

4067 *Trisetum cernuum*
Trisetum cernuum
Border of woods.

4068 *Puccinellia nuttalliana*
Puccinellia maritima (Kud's) Parl
Gravel of shore of bay
grows lower down than any
other plant. Has also basal
development however it
differs margin. Does within
field limit. culms erect
from an ascending base or

more or less present
at lower level. The base
a mass of dead leaves
& crowns. Not much in
tissue but more of the
branches are spreading

4069 *Festuca rubra*
After grassy ground
above tide limit along
shore

4070 *Poa hispida*
Moist grassy ground
at edge of woods in
springy place, among
Poa pratensis but, leaves
different to earlier. Pan.
bracts straight not flexous
Pan. rachis oblong.

4071 *Poa hispida*
Grassy place, seems
same as 4070 but stiffer
& bluish

4072 *Poa acutiglumis*
Soil on open gravel
near shore. Probably
the same as 4073. Earlier
than P. pratensis

4073 *Poa alpina*
Gravel of creek bed.
Has aspect of Euphorbia major
broad purplish shk & reflexed
bracts, short broad panicle
with blue bloom

4074 *Poa pratensis*
Gravel of creek bed, a
cluster, leaves pointed
from crown in sandy or
gravelly soil.

4075 *Poa pratensis*
In meadow slumps.
Very same as 4072 from
Sicka.

4076 *Savastoma odonata*
Grassy place in low ground

4077 *Puccinellia nuttalliana*
feels dry shore (beach not
cliffs) a few culms for
ten inches of a long dense
clump. Probably same as 4068
but much larger.

4078 *Poa pratensis*
Pan (near meadows) ✓
near spring

4079 *Poa stenantha* ✓
Pan all around
In moss by spring

4080 *Poa pratensis* L.
Pan (near meadows)
In moss by spring

4081 *Festuca rubra*
Festuca
Rocks (cliffs) dry, black fls
but soon withered

4082 Pan
= 4062? Cliffs

4083 *Poa stenantha*
Pan (slender?) ✓
cliffs

4084 *Poa arctica*
Pan (near prairie)
cliffs - short - Pan dimidiate

4085 *Poa palustris*
Pan (meadows?) ✓
cliffs

4086 *Elymus americanus*
Elymus
Flows on beach

4087 *Deschampsia cespitosa*
Deschampsia
moist soil above beach

4088 *Poa pratensis* L. ✓
Pan palustris
a weak slender form
in damp shade on cliffs

4089 *Festuca rubra* var. *variegata*
Festuca rubra
On cliffs - a glaucous
form, blades flat

4090 *Poa emarginata* ✓
Pan emarginata
gravelly beach

4091 *Festuca rubra*
Festuca (rubra) ✓
at foot of cliffs & along
shore. Leaves mostly green
with glaucous, erect, leafy
blades flat. = 4065?
Common & clumps large & leafy

4092 *Calamagrostis scabra*
open place along road
very common

4091 *Saxifraga*
By sheep in sparse place
[mountain road 4076] Douglas

4092 *Poa pratensis*
Spring ground at base of
Sec bank, common. Panicle
very drooping. Douglas

4093 *Hordium boreale*
along shore. Douglas

4094 *Poa alpina*
along road to mine
pure

4095 *Phleum pratense*
along roadside

4096 *Trisetum spicatum*
open ground along
mountain road. Spikes
very dark, nearly black

4097 *Festuca brachyphylla*
Cliff along road

4098 *Cyma*
Wet shaded ground
common, coming into
flower

4099 *Poa palustris*
along road on cliff
in clump form

4100 *Poa acutiglumis vivipara*
In moss on side of rock
slope on damp cliff.
Set all the plants in the
part of same by feet
low viviparous

4101 *Poa palustris*
along road side - common
colours in bunches, loose at
base, then ascending, culms
erect, but sheaths usually
purple, brown pan. bracts
sheath, only 1-3, left

blade rather long, spreading

Poa hispida
4102 Poa (whiskered)

Shady place among blue
grass.

4103 *Festuca rubra*
Festuca rubra var. *viridis*
Open ground along
mountain road
All the plants viviparous

4104 *Agropyron violaceum*
Agropyron violaceum
Open ground along
mountain road.

4105 *Festuca rubra*
Festuca rubra var.
Missy wet cliffs &
bushes

4106 *Elymus borealis*
Elymus borealis
Along road side edge
of bush, dry wet, soil

4107 Poa *Poa pratensis*
Shady cliff.

4108 *Cinna latifolia*
Cinna latifolia
Along road side in
shady rocky soil

4109 *Hordeum boreale*
Hordeum boreale
Open ground along
roadside.

4110 *Poa annua*
Poa annua
Open ground along
road.

4111 *Elymus arenarius*
Elymus arenarius
Scrub along shore
along on edge in
blush.

4112 *Trisetum cernuum*
Trisetum cernuum
Open ground near
wharf.

4113 *Poa pratensis* L.
along river in open ground,
near the *Papaver*
but panicle very short
of drooping & leaves
bristles of panicle short.

Cordova July 1
4114 *Dicentra caespitosa*
Bank along lake

4115 *Phleum alpinum*
delle

4116 *Poa annua* L.
open ground in lower

4117 *Colpodium fulvum*
Flat grass land along
lake, recent road
stocks.

4118 *Allopecurus pratensis*
open boggy ground
near town in clumps
culms spreading at base

Locals a little different
from the common U.S. form
of articulation.

4119 *Poa retrofracta* Link.
Bank along lake. Only
retrofracta form, not
so far advanced as
at Junction.

4120 *Trisetum spicatum*
Dry bank along lake

4121 *Trisetum cernuum*
Moist bank along lake

4122 *Antagrostis latifolia*
Bank along lake,
common but not
in flower.

4123 *Antagrostis latifolia*
In very bank, Is this
the same as 4117? Looks
different.

4124 *Elymus arenarius*
along bank of trail
glough rich deposit
not difference in leaf
of ch blade of upper sheath
Denticles more or less
fully developed.

4125 *Poa annua*
Poa (annua?)
Same locality as 4124
Did not have time
to examine. Looks differ-
ent. This species is seen
elsewhere.

Photo 10 - By crossing
Copper River. 11. 2 mi by look-
ing west, Copper River at mouth of
this. Filices in crevice
creek, well older about
10 ft high.

4126 *Deschampsia utriculata*
Culmifer
Leaves from long bed
about 10 miles up Py
= 4123?, root stub

4127 *Arctagrostis latifolia*
Lower open ground
dolls, Mendenhall

Miles Glacier - 45 miles
from Enduron on the C.R.
to W. By where it
crosses the Copper River
between Childs & Miles Gla-
ciers.

4128 *Festuca graciliphylla*
Festuca - same loc.
Rocky cliffs bank of
river.

4129 *Trisetum alpinum*
Trisetum
ditto

4130 *Poa hispida*
Poa
Dry gravel along Py
river bank, center
well from ascending
bank

4131 *Poa alpina*
Poa
Sandy soil near
river. Looks like P. alpina

but not so steady as
base

4132 *Poa alpina*

Dry soil along Ry

4133 *Poa stenantha*
delle

4134 *Poa leptocoma* Trin.
delle

4135 *Poa hispida*
delle

4136 *Phleum pratense*
along Road

4137 *Festuca elatior*
along Ry

4138 *Hordeum boreale*
along Ry

4139 *Panicum pauciflorum*
low open ground

4139 1/2 *Puccinellia maritima*
(see 4035)

4140 *Cinna latifolia*

Low ground along Ry

4141 *Cinna latifolia*
delle

4142 *Elymus borealis*
Clad ground along Ry
Spikes becoming loose
in old dung

4143 *Bromus racematus* L.
annual, along Ry

4144 *Agrostis alba*
dewy open ground,
near lake

4145 *Puccinellia maritima*
Brackish shore

4146 *Festuca rubra*
Open low swampy ground

4147 *Agrostis aquivalvis*
Calamagrostis?
Open low swampy ground

4148 *Agrostis aquivalvis*
dwarf = 4147?

Camp 82. Copper River
4149 *Calamagrostis*
Low gravel stream

Skagway July 10

4150 *Calamagrostis*
Calamagrostis laevigata
in bushes (and rocks)
along bank of pond

4151 *Festuca rubra*
Festuca rubra
Large bushes, loose
the bases decumbent
along pond. Leaves
glaucous but foliage
green

4152 *Elymus arenarius*
Elymus arenarius
along pond

4153 *Poa pratensis* 2
Poa
Root stalks, common
Growth of *P. pratensis* but
much larger, 2 lower
bracts reflexed, shape
oblong. Along pond.

4154 *Hordeum bonariense*
Hordeum bonariense
along pond.

4155 *Poa pratensis* 1
Poa
Dry gravel probably same
as 4153.

4156 *Poa pratensis* 1
Poa
Dry gravel along Ry
Probably same as 4153
Panicle purplish

4157 *Poa pratensis* 1
Poa
Probably = 4156 or
Gravel along Ry

4158 *Poa pratensis* 1
Poa
Gravel along Ry
Root stalks. Seem different

4157 *Panicum* very
weak & drooping, robust
4158 *Panicum* is erect
& branches ascending or
suberect. In 4158 & 4159
Panicum is robust green, but
purple

4159 *Agrostis tenuifolia geminata*
Aurea, branches
on rocks.

4160 *Phleum pratense*
along by water, common

4161 *Trisetum spicatum*
branches along by
long flowers.

4162 *Poa pratensis*
dry bank along by
this is the finest I have
seen like *P. pratensis*
This with 4153, 4157 &
are probably all the same.

+ seems to be not *P.*
pratensis.

4163 *Festuca brachyphylla*
Branches on ground, on rocks
&c. Inflorescence glaucous
somewhat so. Little
bracts culms increasing
purple.

4164 *Agropyron setaceum*
along by branches

4165 *Agropyron tenuis*
along by branches

4166 *Bromus inermis* See 4163
along ditch, Roadside,
Panicum, erect

4167 *Poa interior* Rydb.
In bunches on rocky
hillside, very glaucous
Panicum branches divaricating
spreading; Bracts flat

Poa interior Rydb.
4168 *Poa*
= 4167 in a more
shaded situation, blue
bracts.

Poa interior Rydb.
4169 *Poa*
= 4167 near open ground
growing more lax.

Poa interior Rydb.
4170 *Poa*
= 4167 open ground
growing dwarf.

Poa pratensis L.
4171 *Poa*
growing near
mound = 4169

Poa interior Rydb.
4172 *Poa*
This seems to be *P. nemoralis*
crucis. Flowers red, small
stems. Panicles as-
cending. Sph. are brown
after several flowers.

Poa interior Rydb.
4173 *Poa*
very like *P. nemoralis*

in bunches along brook.
Stems very short green.

Poa interior Rydb.
4174 *Poa nemoralis*
growing in
close bunches, green.

Poa pratensis L.
4175 *Poa*
near ground among
Equisetum. Very like
P. nemoralis but is very
large, nearly immortense.

Poa pratensis L.
4176 *Poa*
Open ground along
edge of pool through
alders.

Agrostis hiemalis geminata
4177 *Agrostis*
little = 4169

Agrostis hiemalis
4178 *Agrostis*
= 4177. More slender,
thinner.

4179 *Poa interior* Rydb.
Rocky slopes,
bunches, sometimes glaucous
leaves at base, very
sandy. 4167 is much
growing at base of
same slope.

4180 *Poa interior* Rydb.
along road

4181 *Poa palustris*
dells but somewhat
more shocked place

4182 *Poa compressa* S.
along road

4183 *Poa palustris*
bunches, along road

4184 *Hordeum jubatum*
along stream in
damp place

4185 *Poa pratensis* S.
among alders, sedge,
in wet place, I can find
no involucre.

4186 *Puccinellia nuttalliana*
less open ground
along stream. Not
in bristled soil.
Large bunches, spreading
at base, ascending above.

4187 *Panicum capillare*
along stream

4188 *Poa compressa* S.
in cleared, stumpy
bottom land, apparently
indigenous

4189 *Poa alpina*
dells, base of
hill. P. alpinum but
panicles seem to be small

4190 *Hordeum nodosum*
Hordeum
glory by the sand
from the sand

4191 *Agrostis hiemalis geminata*
Agrostis
on ground
Open cleared sandy
bullen land, common
Specimen shows the
various in the
all growing together
various parallel to the
longitudinal. All from
apparently the same

4192 *Poa interior Rydb.*
Poa
on rocky cliff

4193 *Poa interior Rydb.*
Poa
bed of ditch

4194 *Poa interior Rydb.*
Poa
in shade at base of
cliff

4195 *Poa interior Rydb.*
Poa
more luxuriant

4196 *Agropyron caninum*
Agropyron
along by

4197 *Puccinellia nuttalliana*
Puccinellia
along by along
in the lower ground
= 4186

4198 *Agropyron latiglume*
Agropyron
Probably a form of
Agropyron. Some flowers
on the side. All very
slender more a less
glaucous (the spikes). Very
abundant

4199 *Agropyron violaceum*
Agropyron
bushes along road

4200 *Poa eminens*
Poa
Sandy ground near
beach

4201 *Festuca rubra*
Festuca
Sandy ground near beach
but inflorescence glaucous

Poa. narrow suffraginate
scape at anthesis later
divaricate.

Elymus arenarius
4202 *Elymus* ~~rugosus~~
ditto a small form

Puccinellia nuttalliana
4203 *Puccinellia*
Same as 4184, sandy
open shore in brush
Soil here it is much
of fine sand. But both
forms it is robust like
the single long culm
Poa always common
in anthesis. Heads
mainly folded.

Poa annua L.
4204 *Poa annua*
in lawn, common.

July 11
4205 *Dactylis glomerata*
Dactylis glomerata (edge)
in old garden spot
on hill.

Poa brachygloussa
4206 *Poa*
Same as *P. flaccida*
in some ally of here
A single bush in an
old abandoned garden
spot. Very flowers, sweet
Culm at anthesis
Does look like an *Alaria*
species.

Cinna latifolia
4207 *Cinna latifolia*
Open swampy land
common at 500 ft
elevation.

Poa acutigloussa
4208 *Poa*
Cliffs in rocky cliff
Dry. Folioses
erect, stems hanging
over.

Hordium boreale
4209 *Hordium boreale*
Along by common
margin. Lower shrubs
glabrous. See 4180

4210 *Poa compressa* L.
Poa compressa
Along road common
very in evidence

4211 *Bromus pinnatus* (L.) Ehrh.
Bromus pinnatus
Along Ry.

4212 *Festuca rubra var. barbatula*
Festuca rubra
Along Ry. common
a vigorous specimen.

Glacier about 17 miles from
St. Mary on the Ry.
July 12, Along Ry. track

4213 *Phleum alpinum*
Phleum alpinum

4214 *Agrostis nemoralis* (L.) Link.
Agrostis nemoralis
very leafy

4215 *Poa hispidula*
Poa hispidula multisp.
In a large bush
collected two specimens
+ a number of immature

4216 *Poa alpina*
Poa alpina?
a single bush

4217 *Poa hispidula*
Poa hispidula
Rural fields, St. Mary
seen in P. pinnatus

Summit (H. White Pass)
July 12 on Pikes

4218 *Deschampsia alpina*
Deschampsia alpina?
Part of a large bush

4219 *Poa alpina*
Poa alpina
Part of large bush

4220 *Festuca altaica* Trin.
Festuca altaica
Part of bush foot in clear
Culms stiffly erect
somewhat spreading,
Blades erect.

4221 *Poa annua* L.
Poa annua

4222 *Poa leucostachya*
Poa leucostachya?
Bunches, Pan. lax

Preremate, July 12

4223 *Agrostis leucantha*
Lith. shore.

4224 *Trisetum* small
sandy soil

4225 *Poa alpina*
Caper dry soil

4226 *Alpinum*
Lith. shore

4227 *Phleum alpinum*
Dry caper ground

4228 *Deschampsia glomerata*
Along Bay

4229 *Poa compressa*
Sandy soil

4230 *Poa interior*
In small bushes
Leaves at base, of bluish

green in color, *caerulea* stiff
fleshy, sandy soil

4231 *Trisetum spicatum*
glabrum.

4232 *Poa* (name?)
Sandy soil

4233 *Poa interior*
Sandy soil, Presbury
= 4230 but the leaves
not in a tuft as before

4234 *Festuca*
Large bushes, culms
to blades stiff, erect.

4235 *Poa annua*

4236 *Hordium*

4237 *Deschampsia*
Lith. shore
bush, Lig. pale
green.

8238 Deschampsia
Lake shore, Hamilton
like 8237, is it the same?

8239 Poa
Common, same
found at St. Agnes, Pictou
same as Poa at Little
and purple base.

8240 Poa
Lake shore
Hawley P. praevalens, Pictou
Hills.

8241 Poa
Pond side, In down
place than 8240

8242 Deschampsia
along Ry.

8243 Poa (trivialis?)
along Ry. Stems rough

8244 Trisetum ovum L
Dry sand, St. Agnes
sand in same L
slightly from actual
has small short-stalk
inflorescence.

8245 Bromus arcticus
Bromus
Sandy soil.

8246 Agropyron
along Ry.

Carabon crossing pg 12
Sandy soil around station
Poa interior

8247 Poa
Bunch

8248 Poa nemoralis L
small bunch, St. Agnes

Not
nomenclature: culm very green
but P. caesia - see Hudsall's letter Apr. 25, (4) (Fournier & Pl.)

8249 Festuca calligera (Pill.)
Festuca

8250 Agropyron violaceum
Agropyron

8251 *Bromus pumellianus*
Pan. erect & spk. erect
fuzzy.

8252 *Bromus arcticus*
Pan. spreading, spk.
fuzzy.

8253 *Calamagrostis purpurascens*
Grass. Bunches
Dry soil. Culm. 2 ft.
erect.

Whitehorse July 13
8254 *Hordium jubatum*
Barden. *foliolatum*
along by

8255 *Agrostis alba*
Culm. a foot
close packed. Bunches
in open ground. Culm
erecting from a prostrate
base.

8256 *Poa interior*
Pan. (terminal)
terminal. Culm. very
short. Bunches.

8257 *Bromus richardsonii*
along by

8258 *Bromus pumellianus*
along by

8259 *Calamagrostis purpurascens*
Culm. a foot
Bunches, culm. erect stiff
Dry ground.

8260 *Boschampsia cespitosa*
Dry. Bunches
River bank.

8261 *Agropyron caninum*
Bunches along by

8262 *Agropyron violaceum*
A. *fabryi*
Bunches along by
Probably = 8261 (low
shear).

8263 *Calamagrostis negetica*
Culm. a foot
Common in low ground
just above water level
at low tide. 8259.
Green. culm. stiff erect.

4264 *Arctagrostis latifolia*
Poa
low ground

4265 *Poa pratensis* L.
Poa
along Ry - bunched

4266 *Poa pratensis*
along Ry - common

4267 *Trisetum spicatum*
Trisetum
Open ground in woods
glabrous. Culms single
in flower - clustered.

4268 *Trisetum ciliatum*
Trisetum
along Ry, large clump
very pubescent. Sheath
long.

4269 *Trisetum spicatum*
Trisetum
Like 4267 but much
eulog pubescent &
several culms in
a clump.

4270 *Trisetum ciliatum*
Wheat
along Ry

4271 *Hordeum boreale*
Hordeum
along Ry in damp place

4272 *Arctagrostis latifolia*
Columneptis
Low ground

4273 *Trisetum calligera* (Piper)
Trisetum
dry bank

4274 *Poa brachygloriosa*
Poa
dry bank. Bunched
laevig. group.

4275 *Calamagrostis purpurascens*
Calamagrostis
Large bunches. Sandy
ground. 80 ft. high.
Like 4255, but at
resembles other ones.
Leaves flat glaucous.

4276 *Arctagrostis arundinacea*
Arctagrostis
Low ground. Hex folios
flat blades.

4277 *Calamagrostis canadensis*
Calamagrostis
Low ground

4278 *Poa pratensis*
Wet meadow, Pan. obs.

4279 *Agropyron caninervis*
Dry bank

4280 *Agropyron yukonense*
Sand dune, Long
reel dunes

4281 *Agropyron tenerum*
Dry bank

4282 *Festuca altaica* Trin.
Dry bank, Long
reel dunes

4283 *Calamagrostis neglecta*
River bank, sunny
sides

4284 *Agrostis hiemalis*
Open sand along
river

4284 *Puccinellia tenuiflora*

4285 *Festuca ovina*
Dry ground - 4273

4286 *Poa interior*
Sand dune, C. way
flourish from west side
panels + scant foliage

4287 *Poa brachyactis*
Panels - dry ground
- 4278

4288 *Poa interior*
Dry ground

4289 *Puccinellia nuttalliana*
Marsh along by
panels very open

4290 *Poa polytricha*
(*brachyactis*?)
along by, Sand - little
Pan with purple base etc.

4291 *Puccinellia nuttalliana*
Marsh along by
Pan narrow and
spreading, long base
as St. Lawrence, open.

Poa compressa L.
4292 *Poa compressa*
Open woods
Possibly introduced
as weed on the soil
sludgy place

July 15
4293 *Calamagrostis neglecta*
Calamagrostis
Low ground along road
forming scrub.

Puccinellia maritima
4294 *Puccinellia*
Low ground along road

Agrostis hieracifolia
4295 *Agrostis hieracifolia*
Low ground along road

Poa annua L.
4296 *Poa annua*
Low ground along road

Arctagrostis latifolia
4297 *Arctagrostis latifolia*
Long clump, low
multiflorous, in edge of woods
low ground

Poa interior
4298 *Poa interior*
very glaucous, thick woods

July 15

Festuca altaica Trin.
4299 *Festuca*
Open woods = 4302
but stem perianth
can have perianth
from another plant

Poa hispidula
4300 *Poa*
New brook

Arctagrostis latifolia
4301 *Arctagrostis latifolia*
New brook

Festuca altaica Trin.
4302 *Festuca*
Open woods = 4295
Common, may be
same as *longistylis*
4292

4303 *Stipa*
Semi open hillside

Arctagrostis latifolia
4304 *Arctagrostis latifolia*
Wet place

Hootalinqua July 10
low ground near river

4305 *Agropyron caninum*
Pinnatis

4306 *Hordeum*

4307 *Hordeum nodosum*
Hordeum

4308 *Calamagrostis neglecta*
Calamagrostis

4309 *Bromus inermis* Steud.
Bromus

4309 1/2 *Bromus arcticus*

4310 *Bromus*
probably = 4309

4311 *Poa palustris*
Poa

4312 *Agropyron tenerum*
Agropyron

4313 *Alopecurus pratensis*
Alopecurus

4313 1/2 *Poa interior*

4314 *Arctagrostis latifolia*
Arctagrostis

4315 *Poa brachyactis*
Poa

4316 *Deschampsia caespitosa*
Deschampsia
very loose panicle

4317 *Deschampsia caespitosa*
Deschampsia caespitosa

4318 *Agropyron caninum*
Agropyron

4319 *Deschampsia caespitosa*
Deschampsia caespitosa
probably = 4317

4320 *Hordeum jubatum*
Hordeum jubatum

4321 *Poa palustris*
Poa

4322 *Puccinellia nuttalliana*
Puccinellia
aet or nearly so to
panicle spreading

4323 *Puccinellia tenuiflora*
Puccinellia tenuiflora
Panicle branched
nearly with radiating
culms & open panicle

4324 *Calamagrostis purpurascens*
Calamagrostis

4325 *Arctagrostis latifolia*
Arctagrostis

8326 *Poa interior*
Poa interior

About 50 miles below
Hollabrigue and near
at station for taking on
wood

8327 *Calamagrostis purpurascens*
Calamagrostis purpurascens

8328 *Promus arcticus*
Promus
Large mound. Soil
very sandy

8329 *Promus arcticus*
Promus
Muddy, probably same
as 8328.

8330 *Calamagrostis canadensis*
Calamagrostis

8331 *Agrostis himalayensis*
Agrostis himalayensis

8332 *Calamagrostis neglecta*
Calamagrostis neglecta

8333 *Trisetum repens*
Trisetum repens

8334 *Promus arcticus*
Promus
Near top of cliff

8335 *Deschampsia cespitosa*
Deschampsia cespitosa
Along river bank

8336 *Avena sativa*
Avena sativa
Bulky on cliff

8337 *Agropyron repens*
Agropyron repens
Bulky on side of
cliff, common. But
on cliff slope
somewhat common
than on plateau

8338 *Poa interior*
Poa interior
Large mound, top of
cliff

8339 *Poa interior*
Poa interior
Slope of cliff, also on
top. Common than
large mound, from top of
cliff

4340 *Poa arctica*
top of cliff.

4341 *Calamagrostis canadensis*
top of cliff, abundant

4342 *Poa pratensis*
top of cliff, rare, seen
two before from P. pratensis

4343 *Agropyron tenerum*
Belt of cliff

4344 *Calamagrostis purpurascens*
Belt of cliff
common in top
the commonest here.

At this place the common
grass is a few inches
at top of cliff 4345
from green in patches of
slope. Along the top of
common grass seen 4347
which I have not before

seen. *Poa arctica*
is common on slope & top
of cliff. On steeper places
it is on short cliff
to grassland and small
acorns nearby. On the
bottom soil of the top of the
cliff, one little more
like a small, large, more
spreading plant.
The other species are
comparedly rare.

Dawson July 17

4345 *Poa palustris*
Damp shady soil
shrub of Dawson

4346 *Dactylis glomerata*
Damp soil

4347 *Dactylis glomerata*
Damp soil. Rare
narrow & blackish
than 4346

8348 *Avena fatua glabrescens*
Avena fatua
Shrub

8349 *Poa pratensis* L.
Poa
Long low form of P. pratensis
Damp place

8350 *Calamagrostis neglecta*
Calamagrostis
Hillside - Large
bunch

8351 *Calamagrostis neglecta*
Calamagrostis
Hillside - Large bunch

8352 *Puccinellia tenuiflora*
Puccinellia
Damp open soil.
More or less prostrate
bunches on wet soil. Leaves
same as prostrate species
8323. Pan. uper. + narrow
branches reflexed

8353 *Agrostis hiemalis*
Agrostis
Open ground

8354 *Polygogon monspeliensis*
Polygogon
Open ground

8355 *Puccinellia danthonioides*
Puccinellia
Open ground

8356 *Poa annua* L.
Poa annua
Open moist ground

8357 *Agropyron sericeum*
Agropyron
Along ditch

8358 *Puccinellia tenuiflora*
Puccinellia
Along ditch
Common in damp places
Erect, panicle open
spreading

8359 *Agrostis alba*
Agrostis
Moist shady place

8360 *Alifolium fulvum*
Alifolium
Wet ground

8361 *Panicum*
Panicum
Along ditch

8362 *Panicularia grandis*
Panicularia
Along ditch

X363 *Hordeum jubatum*
Along shore, common

X364 *Panicularia pulchella*
Along ditch

X365 *Calamagrostis canadensis*
Open low ground

X366 *Oxytropis latifolia*
Along ditch

X367 *Heckmannia siliquiformis*
Low ground, common

X368 *Agropyron sericeum*
Along shore

X369 *Poa pratensis* L.
Wet ground

X370 *Poa interior*
Hillsides

X371 *Poa pratensis* L.
Damp soil

July 18

X372 *Agropyron caninense*
A grassy
field about low

X373 *Poa interior*
Hillsides about low
not rough stem, glaucous
common on the hills

X374 *Festuca altaica* Trin.
Hillsides about low
Fragrant on the hills
more abundant than
at Whitehorse

X375 *Promus pumpehianus*
More plain on hillsides
about low

X376 *Promus arcticus*
dell. = X375? Sp.
more widely

X377 *Calamagrostis purpurascens*
Hillsides about low Common
common on the hills

4375 *Arctagrostis latifolia*
Common grassy plain
In dense low
Panicum grass &
large one from low
(4375-4376)

4379 *Poa interior*
Common grassy plain
in dense low 4373

4380 *Agropyron spicatum*
Dry, rocky hillside

4381 *Agropyron spicatum*
Dry, rocky hillside

4382 *Agrostis thymoides*
Open rocky soil, summit
of hill.

4383 *Poa interior*
Summit of hill, rocky
open grass (Panicum?)
can see low narrow
beds like brown grass

4384 *Festuca calligera*
Open rocky soil, summit
of hill

4385 *Festuca altaica Trin.*
Large grassy plain
Summit of hill, probably
= 4377

4386 *Trisetum spicatum*
Grass, summit of
hill

4387 *Agropyron - cornutum*
Hillside near river

4388 *Colpodium fulvum*
Wet along river

pg 18

4389 *Agropyron sericeum*
Grass, near river

4390 *Agrostis alba*
Along by river bank
Forts

4391 *Poa pratensis* L.
Sandy bar of Klondike
River.

4392 *Poa* (Pachy)
near river (Klondike)

4393 *Savastana odorata*
Sandy bar of Klondike

4394 *Poa interior*
along by above bar
luxuriant form

Some Sulphur Springs
3 miles up Barren
Creek from Dawson
end of Pye

4395 *Poa pratensis* L.
along by probably protuberant

4396 *Savastana alpina*
Open ground at
mouth of creek.

4345 *Poa palustris*
along by

4358 *Poa interior*
along by

4359 *Poa pratensis* L.

4840 *Stentura altaica* Trin.
Tussock

4841 *Anthriscus latifolius*
Chamaejasme

4842 *Trisetum sesquiflorum*
Tussock

4843 *Agrostis hiemalis*
Agrostis

4844 *Poa pratensis* L.

4845 *Calamagrostis nudata*
Calamagrostis

4846 *Anthriscus latifolius*
Calamagrostis

4847 *Calamagrostis canadensis*
Calamagrostis

4848 *Pachymannia eruciformis*
Brachium

Eagle-Alas. July 20
Festuca rubra barbata

4409 *Festuca rubra*
On wet pasture
fls. in lower basal
leaf, somewhat green.

4409 $\frac{1}{2}$ *Festuca* less pubescent
same

4410 *Agrostis trivialis*
Open ground

4411 *Hordeum jubatum*
Wet along river

4412 *Puccinellia nuttalliana*
Puccinellia

Open ground
End of meadow to river
Spreading, some none
of the prostrate form.

4413 *Poa interior*
Poa nemoralis
Wet land, common

4313 $\frac{1}{2}$ *Poa*
same

4414 *Agropyron tenerum*
Agropyron
Shady bank of river

4415 *Poa interior*
Poa nemoralis
slender form, open

Bromus inermis
Leysa.

4416 *Bromus*
Shady place

4417 *Agropyron violaceum*
Agropyron
Open ground

4418 *Poa pratensis*
Poa (Muhlenberg)
Open ground

4419 *Calamagrostis canadensis*
Calamagrostis
Wet ground

4415 $\frac{1}{2}$ *Urtagrostis latifolia*

4420 *Festuca altaica*
Festuca
Open woods

4421 *Agrostis canadensis*
Agrostis
Wet ground

4422 *Elymus inornatus*
Agropyron
Sandy bank of river
Long seed heads

4423 *Calamagrostis purpurascens*
Calamagrostis
Open woods

4424 *Deschampsia cespitosa*
Deschampsia cespitosa
Shade of river

8825 *Poa pratenensis*
Open ground.
Panicle same → 8814

4425 1/2 same
8826 *Poa pratenensis*
shrubby ground fls.

8827 *Panicularia pulchella*
Paniculum
Shrubby bog.

8828 *Agropyron sericeum*
Open ground fls.

Circle City Feb 20
1100 P.M.

8829 *Agrostis humilis*
Agrostis hyemalis

8830 *Carex flacca*
Swamp

8831 *Hordeum jubatum*
Paniculum
Wet meadow

8832 *Beckmannia erucaeformis*
Paniculum
Wet meadow
Wet meadow - upper, a broad

8833 *Poa pratenensis*
Pan oblong.

8834 *Agropyron sericeum*
Open ground
Along bank of river

8835 *Poa interior*
Paniculum
Along bank

8836 *Puccinellia nuttalliana*
Paniculum
Common meadow
Pan. oblong but branches
not reflexed. Erect.

8837 *Puccinellia tenuiflora*
Paniculum
In meadow but not so common
→ 8838. Pan narrow
leaves reflexed. Plant
erect to be spreading

8838 *Puccinellia tenuiflora*
Paniculum
Pubes - 8836

8839 *Suaeda frutescens*
Suaeda frutescens
Wet ground

4440 *Arctagrostis latifolia*
Calamagrostis
moist ground

Rampart

4441 *Calamagrostis canadensis*
Calamagrostis
along ditch in low
ground, common
along fence & stream
& far, slender stem sparse
after maturity

4442 *Arctagrostis latifolia*
Calamagrostis
low ground in open woods
common. Tending to
glaucous. Stems thin
& sparse. Pan. long, low
bristles long & spreading
at anthesis, distant,
after anthesis narrow

4443 *Calamagrostis canadensis*
Calamagrostis
Low ground, but in
drier places than
low preceding. Not so
common as 4442

4444 *Agropyron violaceum*
Agropyron
Bunches, spikes usually
purple.

4445 *Agrostis nemoralis*
Agrostis
Cape mossy ground.
Usually green in open
sandy soil.

4446 *Agropyron repens*
Agropyron
Bunches, common.
Dwelling with 4444
but it differs in lower
sheaths & pan. very
in some species.

4447 *Polygonum cruciforme*
Polygonum
Low ground, very rare

4448 *Hordeum jubatum*
Hordeum
Low ground, Efflorescence
in bunches, heads long

4449 *Hordeum caespitosum*
Hordeum
Partially same as 4448
but heads shorter. Growing
with 4448.

8850 *Deschampsia caespitosa*
Deschampsia
Low ground near river

8851 *Panicum pulchellum*
Panicum
Low ground

8852 *Poa interior Rydbergii*
Poa
Open woods, damp soil

8853 *Bromus pumpeianus*
Bromus
Open woods

8854 *Phleum pratense*
Phleum
Ditch, common, 2
ft. high, 8 heads

8855 *Poa pratensis*
Poa
In drained low
ground, Pan. 8 heads
8 heads branching

8856 *Poa pratensis*
Poa
Bank of drained ditch
Pan. 8 heads, 8 heads
at usual drooping

8857 *Poa pratensis*
Poa
Bank of draining ditch

8858 *Calamagrostis rugelii*
Calamagrostis
Clumped, upright
Spikelets blunt

8859 *Calamagrostis canadensis*
Calamagrostis
Clumped, upright
Spikelets pointed

8860 *Puccinellia tenuiflora*
Puccinellia
Along bank of gutter
on open salt banks
prostrate bunches. In
shaded or grassy places
it becomes more
erect like

8861 *Puccinellia*
= 8860 det.

8862 *Puccinellia nuttalliana*
Puccinellia
det. in shady grassy
places, near dam
8861 det. pan. bunches

acut reflexed long to
slender, often glaucous

4463 *Calamagrostis latifolia*
- 4452? low glaucous
dwarfing, slender
much thickened

4464 *Alopecurus geniculatus*
Pentagon in thick

4465 *Agropyron reticulatum*
Slender, low, glaucous
Pentagon - 4452? but
more robust & spelt
green

4466 *Calamagrostis purpurascens*
Dry, sparsely branched
cluster

4467 *Calamagrostis canadensis*
Pentagon

4468 *Bromus pumellianus*
Sparsely branched dry
side

Calamagrostis neglecta July 29

4469 *Calamagrostis*
Low, branched, low
common

4470 *Calamagrostis neglecta*
Low, branched, low
along ditch

4471 *Poa pratensis*
Along ditch, Panicle
very dense & drooping

4472 *Agropyron spicatum*
Dry, rocky slope

4473 *Poa arctica*
Along ditch & channel
border

4474 *Poa pratensis*
Along ditch - in road
Creek - slender, scabrous

4475 *Trisetum spicatum*
In open field
Be on bank

4476 *Poa interior* Rydb.
Poa *interior* Rydb.
along side of
very slender

4477 *Poa pratensis* L.
Poa *pratensis* L.
Damp soil along
road. Common

4478 *Colpodium fulvum*
Colpodium
Growth in soil

4479 *Distichlis spicata* Trin.
Distichlis
Humid in place
After mowing. First seen
growing up the mountain
at Swamp above Eagle
nest.

4480 *Saxatana alpina*
Saxatana
In damp places &
moor

4481 *Poa interior* Rydb.
Poa *interior* Rydb.
Hillsides near Aloha
Aloha

4482 *Saxatana alpina*
Saxatana
Rocky hillside hills

4483 *Poa interior* Rydb.
Poa *interior* Rydb.
Rocky hillside hills

4484 *Poa arctica*
Poa *arctica*
Rocky hillside hills

4485 *Poa arctica*
Poa *arctica*
Rocky hillside hills

4486 *Calamagrostis neglecta*
Calamagrostis
Top of rocky hill 2500 ft

4487 *Saxatana alpina*
Saxatana
Hills. In small
bushes. The rocky
form 4000 ft
Large bunch of grass
rather by foliage

4488 *Arctagrostis latifolia*
Arctagrostis
Moist place on hill
above 2500

4489 *Festuca calligera*
Grass on
Rocky ridge, Dune
above Pioneer creek

4490 *Poa interior* Rydb.
dell

4491 *Trisetum spicatum*
in dell

4492 *Poa pratensis*
Shady timber, low level
along Baker Creek at
crossing of road to Hot
springs.

Hot Springs (Baker) July 2

4493 *Calamagrostis canadensis*
Held in a refer case
Very common from
quail runs on all the
uplands in open places
to the woods. Presumably
the only upland grass

4494 *Calamagrostis canadensis*
Draw & marshy places
along Baker Creek
as 4493 but also from
further inland on rocky
places.

4495 *Poa pratensis*
Along side of river
in open ground along
4493.

4496 *Poa annua* L.
Along bank of river
near level, probably
introduced.

4497 *Agrostis nemoralis*
Open ground near level

4497½ *Beckmannia erucaeformis*

4498 *Agrostis alba*
Along road near field
Probably introduced

4499 *Beckmannia*
Along river (Baker Slough)

4500 *Bromus secalinus* L.
Near field, introduced

4501 *Poa interior*
Poa nemoralis
Dry soil along slough
near field

4502 *Hordeum jubatum*
Hordeum jubatum
Involuted near field

4503 *Panicum gracile*
Panicum
In water along slough

4504 *Poa pratensis*
Poa
Open ground

4505 *Agropyron tenerum*
Agropyron
Open ground near
river

4506 *Alopecurus geniculatus*
Alopecurus
In water bank of
river

4507 *Bromus marginatus* L.
Bromus
Along road - probably
introduced

4508 *Sphenopholis obtusata*
Sphenopholis
Along stream near
hot springs - very
in warm land

4509 *Phleum pratense*
Phleum pratense
Along road near rocks
common, loosely short
stems

4510 *Phalaris minor*
Phalaris cancrum
In garden in warm
land - introduced

4511 *Avena fatua globosa* L.
Avena
Common in cultivated
ground

4512 *Poa pratensis*
Poa
In cultivated field, probably
P. pratensis but very
large

4513 *Phalaris arundinacea*
Phalaris arundinacea
Along stream in
warm land

4514 *Pennisetum pumpellianum*
Dry hillside in the
warm lands

4515 *Pennisetum richardsonii*
Moist grass in
the warm lands

4516 *Agropyron tenuum*
Fields of warm land
Common & varicose
in height of grass
to 1/2 ft. thick
of grass

4517 *Panicum pulchellum*
Field in warm
lands

4518 *Panicum nervata*
along stream

4519 *Agrostis hymenoides*
Fields of warm
land. Very common
Unusually leafy

4520 *Calamagrostis canadensis* Aug 29
Low land below
glacier stream. This
is common grass on
all the bottom land
offices in same as the
upland forms.

4521 *Panicum grandis*
dotted. Probably same
as 4503 & 4517

4522 *Poa pratensis*
dotted. Maybe *P. pratensis*
but the panicle large
white & spreading. Frequent

4523 *Agrostis latifolia*
Along Tanana river
Common.

4524 *Poa pratensis*
Along bank of Tanana R.

4525 *Poa interior*
Bank of hot spring
along stream bed

4526 *Festuca megalura*
Refuse heap in lower
subalpine

4527 *Calamagrostis canadensis*
Calamagrostis
Along road near
lower, a small dry
land form, probably
same as 4524

4528 *Bromus arcticus*
Bromus
Along slope of hill
near lower,
Here in a small
growing in the same place

4529 *Poa interior*
Poa nemoralis
Along slope of hill
near lower along
common, flaccid

4530 *Deschampsia elonata*
Deschampsia elonata
yard of hotel, Intw.
dwarf

Alnus July 31

4531 *Puccinellia nuttalliana*
Puccinellia
Along bank of river

4532 *Agropyron sericeum*
Agropyron
dwarf

4533 *Agropyron violaceum*
Agropyron
dwarf + very low
as 4532

4534 *Hordeum jubatum*
Hordeum jubatum
dwarf

4535 *Poa interior*
Poa nemoralis
dwarf

4536 *Calamagrostis canadensis*
Calamagrostis
dwarf

4537 *Actagrostis latifolia*
Calamagrostis
dwarf

4538 *Arctagrostis latifolia*
Calamagrostis

4539 *Elymus innovatus*
Agropyron
Sandy bank of river

4540 *Bromus*
Bromus arvensis
dotted

Rainbow

Aug 2

4541 *Agropyron sericeum*
Agropyron
along slough, 2 thin
in 6 ft are present

4542 *Bromus racematus*
Bromus
Wet meadow by deposit

4543 *Deschampsia coarctata*
Deschampsia
near slough

4544 *Agrostis humilis*
Agrostis
along slough, broad
reflexed

4545 *Panicularia grandis*
Panicularia
along slough

4546 *Poa pratensis*
Poa
Sandy soil along by
in bottom land

4547 *Deschampsia cespitosa*
Deschampsia
along slough

4548 *Agropyron sericeum*
Agropyron
along slough in shade
a large form

4549 *Arctagrostis latifolia*
Calamagrostis
Low several layers
the large form on top

4550 *Calamagrostis canadensis*
Calamagrostis
after low mowing

4551 *Agropyron sericeum*
Agropyron
along slough, thick
perennial

4552 *Agropyron tenerum*
Agropyron
dotted, short stems

Seems as if this were
young of a species and
all the same species.

X553 *Agropyron alaskicum*
ditto. stem white
around a common

X554 *Agrostis alba*
A grass, alba
Same along R.

X555 *Calamagrostis canadensis*
Calamagrostis
Sandy open woods
Seems like C. canadensis
but the panicle is
shrub-like when old
White C. canadensis is
lower, but both are
common.

X556 *Polygogon monspeliensis*
Polygogon
Sandy along R.

X557 *Phleum pratense*
Along R. common
Short spike from common

X558 *Poa interior*
Poa communis
Sandy woods.

X559 *Poa palustris*
Poa
Along R.

X560 *Calamagrostis neglecta*
Calamagrostis
Sandy soil.

X561 *Calamagrostis neglecta*
Calamagrostis
Sandy woods.

X562 *Poa interior*
Poa communis
Mound over woods

4562 *Poa interior*
X563 *Poa palustris*
Poa communis
ditto

X564 *Hordium jubatum*
Hordium
Along R. abundant

X565 *Poa pratensis*
Poa
ditto.

X566 *Agropyron violaceum*
Agropyron
Sandy double spike.

Calamagrostis purpurascens
4567 Calamagrostis
Dry hill.

Promus arcticus
4568 Promus
Dry hill.

Agropyron tenerum
4569 Agropyron
Sandy bank
Lamp

Agropyron sericeum
4570 Agropyron
hill 4570

Aug 3
4571 Antagrostis latifolia
Calamagrostis
Open ground in
mural lot, 7th floor
low. Branches but
producing small seeds

Antagrostis latifolia
4572 Calamagrostis
Open ground in
mural lot. Very low
same as 4571 but
the panicle are more

4573 Calamagrostis paniculata
Open ground in mural
lot. Black, narrow
to wide leaves. Same
4571 & 4572

Poa palustris
4574 Poa
Open ground in mural
lot. A single broad
spreading at base, but
above. May be seen
like Poa but flattened
purple stem.

Agropyron violaceum
4575 Agropyron
Common along the
slough. The leaves are
narrow. The stem four
to six. Also large,
somewhat curved &
often double at a joint.

Puccinellia tenuiflora
8576 *Puccinellia tenuiflora*
Along the slough
Sandy soil. Tufts
erect or nearly so.
Some of the older panicles
have reflexed branches
so it is probably that
form.

8577 *Phalaris canariensis*
Phalaris canariensis
Weed along stream
Rare.

8578 *Deschampsia danthonioides*
Deschampsia danthonioides
Along stream. Rare

8579 *Poa palustris*
Poa palustris
Along stream. Rare
same as 8578

8580 *Poa pratensis*
Poa pratensis
Sandy along slough

8581 *Hordeum vulgare*
Hordeum vulgare
Barley
Volunteer along road

8582 *Avena sativa*
Avena sativa
Cocks
Volunteer ditto

8583 *Poa annua*
Poa annua
Along ditch.

8584 *Alopecurus fulvus*
Alopecurus fulvus
Along ditch in moist
ground.

8585 *Lolium perenne*
Lolium perenne
Along road side of
Crown. Rare.

8586 Wheat
Volunteer along
road west of Crown

8587 *Calamagrostis canadensis*
Calamagrostis canadensis
Low ground in flat woods
level soil of Crown.
Sed

8588 *Calamagrostis hyperborea*
Calamagrostis hyperborea
Low ground ditto but

in dried wood. In
a large loose bunch
Culms 1-3 together
surrounded by roots etc.
Set

85-89 *Calamagrostis canadensis*
Calamagrostis
In a dense leafy long
ditch. An extreme form
of *C. canadensis* with
small tubular panicle

85-90 *Pectanthera erucicaefolia*
Pectanthera
Along ditch in 7 acres
near south of corner
Set

85-91 *Deschampsia elongata*
Deschampsia
Along road south of
corner. Rare

85-92 *Hordeum nodosum*
Hordeum
det. - Rare

85-93 *Hordeum jubatum*
Hordeum
A short annual form

of *Hordeum*, *Calamagrostis*
Puccinellia nuttalliana
Puccinellia
Along stream. = 85-94
An old panicle showing
reflexed branches
Aug 6

85-95 *Phlox* *Phlox* *Phlox*
Phlox
Dry open wooded
hillside. Gregarious
but only 1-3 culms
in a clump. Small
panicle more or less
nodding at anthesis
as here mature
Set

85-96 *Panicum grandis*
Panicum
Open swampy, wet
Set

85-97 *Calamagrostis purpurascens*
Calamagrostis
Dry open woods
and scrub
Set

4598 *Calamagrostis canadensis*
open boggy soil
Chatinika, Aug?

4599 *Calamagrostis canadensis*
ditto Aug?

4600 *Calamagrostis canadensis*
ditto, one spec. maybe
different Aug?

4601 *Calamagrostis canadensis*
open woods near Fox
This is the form which
appears in Canada.
differs in
having somewhat panic
(cfl. anthem.). foliage
yellow-green, not abundant
stems numerous, few
plum, narrow & slender
upper not branched, stem
at an angle nearly straight
on the sides, 1000 ft
fl. This is very common
downy.

602 *Calamagrostis canadensis*
ditto. Securing root
4601. Color dark green
stems numerous
so that they appear
in much basal foliage
foliage lvs. blue
lvs. 5 lvs. upper
longer than on 4601
Panicum somewhat open
cfl. anthem., very common
But on hills & in swamps.

4603 *Festuca elatior*
Festuca - prairie
in wood yard Fairbanks
Aug?

4604 *Hordeum*
ditto;

4605 *Poa pratensis*
ditto

4606 *Arctagrostis latifolia*
Calamagrostis (unidentified)
moist, much open ground
in fields but loose

Color light green
Blades broad flat
& rather lax.
Set

4607 *Poa compressa*
Along shore of
bunches Aug 10

4608 *Phymos innovatus*
Alpinum
Along stream ditch.
Seemingly saline.

30
4609 *Poa pratensis*
memoranda
In yard, but on
open ground, com-
mon in open woods
land. Leaves
Long, under softly
spreading foliage
usually 2' to 3'.
All the flowers
a single bunch,
red. fl. white and
Culms rough

4610 *Poa pratensis*
brigleria
ditch, Culms slender
ring at base, green,
soft, brownish or purplish.
Culm flat at base
sheaths also flat.
Culms greenish.

4611 *Poa pratensis*
Poa
Sandy soil along
river, soil of loose
Culms.

4612 *Bromus hordeaceus*
Bromus hordeaceus
along shore. Rare

4613 *Festuca elatior*
Festuca elatior
along river. Probably
escaped.

4614 *Bromus secalinus*
Bromus secalinus
along river

30
4615 *Agropyron sericeum*
Agropyron
Bunches along river
in sandy soil.

Calamagrostis glauca
 at base, erect, spike, near
 one less of anthers
 leaves pubescent, glaucous
 small, much shorter
 than spike.

4616 *Agropyron tenerum*
 Agropyron tenerum
 30
 Cereus or along river
 Bundles, erect, but
 glaucous, leaves many
 cylindrical, spikelet
 of the purple, narrow,
 awned, leaves near
 pubescent.

4617 *Puccinellia tenuiflora*
 Puccinellia
 30
 Sandy, near river, near
 around, leaves near
 one less of anthers, leaf
 pointed, erect, spikelet
 branched, whole plant
 in separate, it clumps

4618 *Elymus innotatus*
 Elymus innotatus - Sandy, not alone
 4619 *Polemonium*
 Polemonium
 near - abundant
 near, along river

Fort Gibson
 May

Aug 13

4619 *Calamagrostis purpurascens*

4620 *Poa*
 Poa
 Along river in open
 ground

4621 *Puccinellia nuttalliana*
 Puccinellia
 ditto

4622 *Hordeum jubatum*
 Hordeum
 ditto

4623 *Poa interior Rydb.*
 Poa interior
 ditto

4624 *Calamagrostis latifolia*
 Calamagrostis (perh. (neglect))
 ditto

4625 *Calamagrostis canadensis*
 Calamagrostis
 ditto

4626 *Calamagrostis canadensis*
 Calamagrostis canadensis
 ditto

4627 *Agropyron spicatum*
 Agropyron
 ditto

4628 *Deschampsia caespitosa*
ditch, river bank, from

4629 *Calamagrostis neglecta*
ditch, ditch

4630 *Agropyron tenerum*
Woods along river

4631 *Poa pratensis* L.
ditch

4632 *Poa pratensis* L.
open field

4633 *Poa interior* Rydb.
Woods

4634 *Poa pratensis* L.
Peaty woods

4635 *Panicum americanum*
Bog

4636 *Deschampsia dentarioides*
Woods, alpine

4637 *Agrostis hiemalis*
open ground

4638 *Calamagrostis* ~~alt.~~
along shore of river
in general

4639 *Poa pratensis* L.
ditch

4640 *Panicum pungentissimum*
along bank of river
in flower, short open
panicled. Same species
as 4620 etc.

4641 *Puccinellia tenuiflora*
on clay & bed of a
prairie, level, the
etc. a small clay
level of ground. Open
ground along river
found very near town

4642 *Poa pratensis* L.
Woods lot on bank

Agropyron sericeum

4643 *Agropyron*
Clery river

Beckmannia cruciformis

4644 *Beckmannia*
here open ground

4645 *Poa polarensis*
Wood hut

4646 *Poa pratensis* s.

Mossy level land
rust black, small
purple, small fl
erect slender

4647 *Poa annua* s.
open ground along
street

4648 *Saxostoma edrata*
Saxostoma
Sandy soil of open
bank

4649 *Agropyron*
River bank
4649 *Agropyron sericeum*

Calamagrostis purpurascens
4650 *Calamagrostis*
Sandy bluff
along river

4651 *Calamagrostis canadensis*
Calamagrostis
Sandy bluff along
river. I do not see
canadensis.

4652 *Promus arcticus*
Promus
Sandy bluff along
river, a loose to
open plain, same
4640 etc.

Mouth of Koyukuk R. Aug 15
along river bank at land.

4653 *Beckmannia cruciformis*
Beckmannia

4654 *Hordium jubatum*
Hordium jubatum

4655 *Puccinellia nuttalliana*
Puccinellia

4656 *Agrostis hiemalis*
Agrostis by river

4647 *Octagrostis latifolia* ^{like} *Calamagrostis*

4648 *Calamagrostis canadensis*

4649 *Poa interior* Rydb.
Poa nemoralis

4650 *Poa pratensis* L.
Poa (pratensis)

4651 *Deschampsia cespitosa*

4652 *Poa patens* L.
Poa triflora

4653 *Agropyron sericeum*

4654 *Agropyron sericeum*
Agropyron
lower than pulchra

4655 *Calamagrostis canadensis*

Thulala Aug 15

4656 *Bromus arcticus* Steud.

4657 *Phleum pratense*

4658 *Beckmannia erucaeformis*

Agropyron sericeum

4659 *Agropyron*

Koltag Aug 15

at Sandhills
4670 *Deschampsia cespitosa*

4671 *Agrostis hiemalis*

different from anything
I have yet seen. Large
bushes, flat dry bluffs
yellow green color.

4672 *Calamagrostis canadensis*
Leaves like *C. canadensis*

Thulala Aug 16

4673 *Octagrostis latifolia*
Calamagrostis angustata

4674 *Puccinellia nuttalliana*

4675 *Beckmannia erucaeformis*

4676 *Agropyron sericeum*

4677 *Poa pratensis*

4678 *Poa pratensis* L.

Calamagrostis canadensis

4679 *Calamagrostis canadensis*

Holy Cross Aug 16

4680 *Calamagrostis canadensis*

4681 *Agrostis hiemalis*

4682 *Calamagrostis canadensis*

4683 *Calamagrostis canadensis*

4684 *Poa pratensis* L.

4685 *Berchemnia eruciformis*

4686 *Agropyron sericeum*

4687 *Puccinellia nuttalliana*

4688 *Berchemnia eruciformis*

Andreofski Aug 17

~~Calamagrostis canadensis~~

along edge of field; hill
covered with grass (Calamagrostis
canadensis & Lappula)
+ clumps of willows

4689 *Agrostis latifolia*

4690 *Calamagrostis canadensis*

4691 *Agropyron sericeum*

4692 *Poa pratensis* L.

4693 *Berchemnia eruciformis*

4694 *Berchemnia eruciformis*

4695 *Agrostis borealis*

30
along edge of field
regulation, Lappula
or somewhat spreading

1st beach Aug 18
4696 *Hordium boreale*
Hordium

4697 *Lolium perenne*
Lolium

4698 *Lolium temulentum*
Lolium

4699 *Poa annua*
Poa

4700 *Puccinellia nuttalliana*
Puccinellia

4701 *Deschampsia caespitosa setifolia*
Deschampsia

4702 *Poa pratensis*
Poa

4703 *Poa pratensis*
Poa

4704 *Calamagrostis*

4705 *Calamagrostis latifolia*
Calamagrostis

4706 *Calamagrostis latifolia*
Calamagrostis

4707 *Elymus arenarius*
Elymus

4708 *Poa pratensis*
Poa

4709 *Poa arctica*
Poa arctica
common. Specimen
near the tundra
attached

4710 *Deschampsia caespitosa*
(*Deschampsia*)

4711 *Allopecurus alpinus*
Allopecurus

4712 *Festuca rubra var. latifolia*
Festuca

4713 *Festuca rubra*
Festuca

4714 *Puccinellia phragmitidis*
Puccinellia

Flowers. Soil-like green
mosses on the rocks
along the tundra edge
within the water. Heads
blackish green, yellowish
brown. Flowers very
scarce. Stems long
glabrous.

4715 *Elymus arenarius*
dry meadow
2 slender stalks
found in a clump of
the ordinary grass

4716 *Agrostis rupestris*
dry meadow

4717 *Festuca rubra*
dry meadow

4718 *Calamagrostis*

4719 *Beckmannia erucaeformis*
near water

Seward Peninsula
Chequamegon Aug 12

4720 *Poa pratensis* L.
Seward

4721 *Elymus arenarius*
dry meadow

4722 *Festuca altaica*
bare hill

4723 *Festuca rubra*
bare hill

4724 *Trisetum spicatum*
bare hill

4725 *Calamagrostis canadensis*
hill

4726 *Calamagrostis canadensis*
hill

4727 *Beckmannia erucaeformis*
near water

4728 *Colpodium fulvum*
Side hill in meadow

4729 *Orchagrostis latifolia*
Calamagrostis

4730 *Poa interior* Rydb.
dry hill

4731 *Saxifraga alpina*
dry hill

4732 *Poa annua*
Low ground
near beach

4733 *Saxosterna pauciflora*
Saxosterna
Low ground

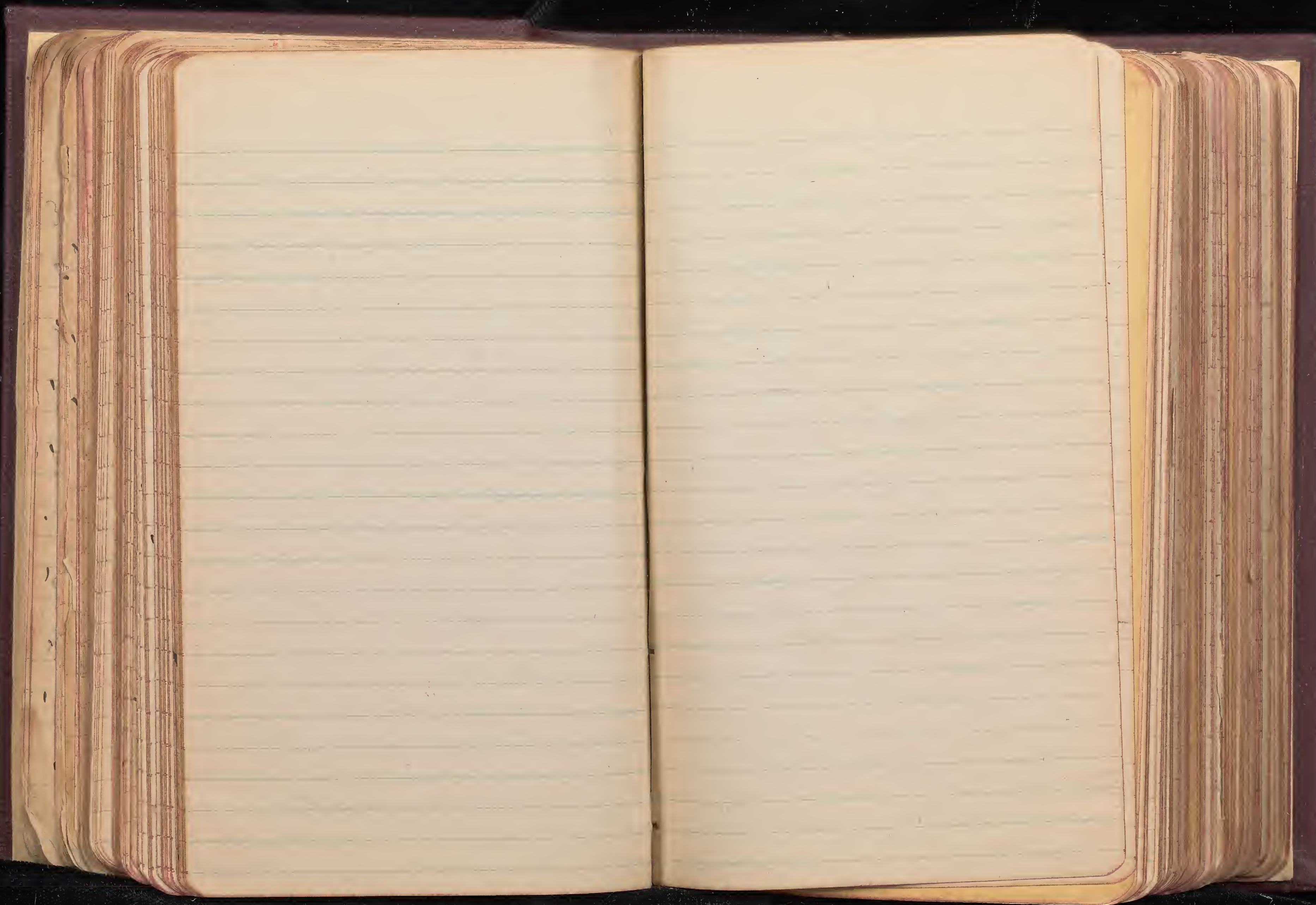
4734 *Poa arctica*
Poa arctica
Mucilosa, common

4735 *Agrostis borealis*
Agrostis
Hill side

4736 *Deschampsia caespitosa setifolia*
Deschampsia
Low ground

4737 *Poa pratensis*
Poa

4738 *Calamagrostis canadensis*
Calamagrostis
Mucilosa



May 120⁰⁰ per ton at Rampart
" 25⁰⁰ per lb, on Grand Forks
of Volcanic

Packages sent
1 - June - June 30th
2 - " July 9
3 } Rampart - July 24 in one
4 } sack.
5 }

7 } Fairbanks - Aug 12.
8 }
9 }
10 }
11 }
12 }

13 }
14 } home
15 }
16 }
17 }
18 }

19 Shelly house Sept 18

Sets of 30.

4096 *Trisetum spicatum*

4097 *Poa alpina*.

4105 *Festuca ovina* - *fusca*

4061 *Phleum alpinum* - "

4587 *Calamagrostis canadensis*

4588 *Calamagrostis*

45-40 *Beckmannia cruciformis*

45-95 *Bromus*

45-94 *Panicum americanum*

45-97 *Calamagrostis longicauda*

4606 *P. neglecta*

4609 *Poa nemoralis*

4610 *Poa triflora*

4615 *Agropyron* (p. 10, 31)

4616 *Agropyron* (p. 10, 31)

4617 *Panicum* (p. 10, 31)

4618 *Agropyron* (p. 10, 31)

4619 *Agropyron*

1909

(7)

book II

20 - } *Senecio* Lake 9/29
21 - }

4739 - 5130

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Flora

Aug 20

In vacant lot in

Winn. 4737-4753

4737 *Deschampsia elongata*
Deschampsia elongata

4740 *Polygomon monspeliensis*
Polygomon monspeliensis

4741 *Poa palustris*
Poa palustris

4742 *Hordeum caespitosum*
Hordeum caespitosum

4743 *Agrostis alba*
Agrostis alba

4744 *Golium multiflorum*
Golium multiflorum

4745 *Golium multiflorum*
Golium multiflorum
Spikelets very long.

4746 *Phleum pratense*
Phleum pratense

4747 *Poa pratensis*
Poa pratensis
This appears to be the
same form & seems
different from the
other forms.

Deschampsia danthonioides
4748 Desch. calycum

Festuca elatior
4749 Festuca elatior

Colpodium pulchrum
4750 Colpodium pulchrum
Small shrubby plant
erect, weak, flaggy
ascending, caespitose
mostly distichous leaves

Bromus secalinus L.
4751 Bromus secalinus

Bromus pratensis Ehrh.
4752 Bromus pratensis

Bromus nordmannii L.
4753 Bromus nordmannii

Agrostis (brevifolia)
4754 Agrostis (brevifolia)
Aug 21
Hills. in bunches
2 or 3 ft. tall
in the border of
tundra. Aug 21.

Agrostis borealis
4755 Agrostis borealis
Paucaley = 4754
but Pan. flower & also
Panicum

Poa arctica
4756 Poa / herbifera
leaves bunches on hills

Calamagrostis
4757 Calamagrostis
Hills

Calamagrostis
4758 Calamagrostis
Hills, Paucaley = 4757

Saxifraga alpina
4759 Saxifraga alpina
Bunches on sandy soil

Elymus arenarius
4760 Elymus arenarius
On sandy soil
beach & tundra 50 ft. elev.
+ half mile from beach

Agrostis canadensis
4761 Agrostis canadensis
ditch

Festuca arvensis
4762 Festuca arvensis
Hills.

Poa arctica
4763 Poa arctica
Hills among rocks
Culms single

5768 *Deschampsia caespitosa*
Along a ditch

5769 *Arctagrostis latifolia*
Along a ditch

5770 *Colpodium filiforme*
Along a ditch - 5771

5772 *Arctagrostis latifolia*
Along a ditch

5773 *Poa pratensis* L.
Near P. pratensis
In wet meadow
in a bunch with small
acorns. Folioles rough

5774 *Poa pratensis* L.
Near 5773 but
has a bit of P. pratensis
Bluish roughened

5775 *Arctagrostis latifolia*
Along a ditch

5776 *Deschampsia caespitosa retifolia*
Along a ditch

5777 *Poa arctica*
Tundra

5778 *Allopecurus alpinus*
Tundra

5779 *Calamagrostis canadensis*
Calamagrostis
Tundra. Near
plant growing in
pool of iron.

5780 $5774\frac{1}{2}$ *Calamagrostis neglecta*
5781 *Poa alpina* L.
Poa alpina L.
On wet soil. Common
up along a ditch.
Not the real one.
This may be P. alp.

5782 *Arctagrostis latifolia*
Along a ditch

5783 *Calamagrostis canadensis*
Along a ditch

4776 *Poa arctica*
Dense leafy clump
Reg. through tundra

4777 *Poa pratensis* L.
Poa
delle

4778 *Poa pratensis* L.
Poa
delle

4779 *Poa pratensis* L.
Poa
delle

4780 *Agropyron violaceum*
Agropyron
On hillside
pubescent spot among
willows

4781 *Festuca rubra*
Festuca
hillside - flowers flat
pubescent above.

4782 *Allopecurus alpinus*
Allopecurus
near ground
hillside

4783 *Festuca altaica*
Poa
on hillside along ditch

4784 *Chamopsis caespitosa setifolia*
Diolecanopus
Dry hillside

4785 *Calamagrostis purpurascens*
Calamagrostis
delle

4786 *Festuca colligera*
Festuca
delle

4787 *Promus arcticus*
Promus
along ditch, also
on hillside in
protected places

4788 *Trisetum spicatum*
Trisetum
top of hill.

4789 *Arctagrostis latifolia*
Calamagrostis
Along ditch

4790 *Poa pratensis* L.
Poa
Along street. Large
bunch near house
but Piperaceae. Pinnate
not right

4793 *Bromus hordeaceus*
Bromus hordeaceus
Vacant lot.

4794 *Poa polystris*
Poa low flr.
Vacant lot

4795 *Arctagrostis latifolia*
Calamagrostis
Low ground near
Ocean.

4796 *Arctagrostis latifolia*
Calamagrostis
dell. I like this, etc.
the same - 4795.

4797 *Arctagrostis latifolia*
Calamagrostis
dell. - 4795

Aug 22
4798 *Poa eminens*
Poa eminens
Sandy beach

4799 *Festuca rubra*
Festuca rubra
dell. in moist place

4800 *Poa arctica*
Poa
Mossy tundra

4801 *Arctagrostis latifolia*
Calamagrostis
A common low
form in moss tundra
= 4795 or

4802 *Festuca rubra var. barbata*
Festuca rubra
moist tundra. End of

4802 *Elymus arvensis*
Elymus arvensis
moist - sandy soil. See

4803 *Deschampsia flexuosa*
Deschampsia flexuosa
Sandy sea beach

4804 *Poa hispidula*
Poa
dell. in moist place

4805 *Bromus tectorum nudus*
Bromus
along road

4806 *Bromus pterisoides*
Bromus pterisoides
along road

4807 *Festuca rubra*
Festuca rubra
In tundra on sandy
bank along beach.
Upper culm black flat
below black, flat or
more or less folded

30

30

1808 *Deschampsia caespitosa*
setifolia
Hills, forming gravel
banks. Set

1809 *Deschampsia sericea*
sericea
Sandy hill side

1810 *Calamagrostis canadensis*
canadensis
Dry hill along bank
of pond. Set

1811 *Calamagrostis canadensis*
canadensis
Probably = 1810. Set

1812 *Poa (bubalina?)*
bubalina?
Forming dense gravel
patches on sand hill
by sea. Same in gravel
under the gravel. Set

1813 *Calamagrostis canadensis*
canadensis
Sandy hill in gravel
along river on bank
in bushes but not in
rocky forming a soil

30

30

Antagrostis latifolia
latifolia

1814 *Antagrostis latifolia*
latifolia
Barren on sand
banks. Set

1815 *Puccinellia nuttalliana*
nuttalliana
Along pool near
edge of lawn. Rare
sp. Set

1816 *Festuca rubra*
rubra
Edge of lawn in
sandy soil. Set

1817 *Festuca rubra var. barbata*
rubra var. barbata
Growing near 1816
Sp. Set

1818 *Festuca rubra var. barbata*
rubra var. barbata
Same hill.

1819 *Agrostis alba*
alba
Sand hill

1820 *Poa arctica*
arctica
Same hill

8821 *Agrostis borealis*
Sand hills

8822 *Calamagrostis canadensis*
Sand hills

8823 *Arctagrostis latifolia*
Sand hills

8824 *Agrostis borealis*
Finally full near
Lundia, dry soil.
in brush. Set

8825 *Colpodium fulvum*
Lundia. Set

8826 *Bromus decoloratus* L.
Along Ry

8827 *Agrostis borealis*
New ground along
especially large hills

8828 *Poa interior Rydb.*
along Ry

8829 *Alopecurus alpinus*
Lundia - Set
on cliffs & wash-
es. Some specimens
somewhat glaucous

8830 *Poa pratensis* L.
Along Ry. usually
by timber. Culm
thick, slender. Pan.
oblong, branched
softly pubescent

8831 *Poa pratensis* L.
Lundia, pan. branched
ascending - near
P. pratensis

8832 *Poa pratensis* L.
Dry slope at base of
hills. Forms soil.
Pan. Small - many in
a form of P. pratensis but
quite distinct from common
form.

Deschampsia caespitosa *setifolia*
4833 *Deschampsia caespitosa*
dotted. Poa ch
with out round heads

4834 *Poa pratensis* L.
Poa
Wet ground along
river. Blady brown
Upper leaf sheath. Pan.
clavate. Round. Little
P. pratensis

4835 *Poa wrightii* ?
Puccinellia
Open common wet
all the same at base
of heads. bunches
of heads in a deeper plane

4836 *Poa wrightii*
ditto. ditto

4837 *Poa compressa* L.
Poa compressa
along shore

4838 *Bromus inermis*
Bromus
in vacant lot

Aug 29

Poa arctica vivipara

4839 *Poa* (vivipara)
30/ open ground along
river in hills, 500 ft

4840 *Trisetum spicatum*
Trisetum (vivipara)
near 4839

4841 *Deschampsia caespitosa*
Deschampsia *caespitosa*
30/ dotted. Poa ch
flat blady spot
of involute blades but
very open in the
same.

4842 *Poa arctica*
Poa
dotted.

4843 *Agrostis borealis*
Agrostis *borealis*
dotted open ground
A large head with
flat heads & compressed
leaves fulvous

4844 *Poa leptocoma* Trin.
Poa

4844 1/2 *Agrostis borealis*
in a damp spot

4845 *Saxostana alpina*
Drosera (creeping)
Upper slope of tundra

4846 *Deschampsia* *Deschampsia*

4847 *Poa arctica*
Poa
along stream at base
800 ft.

4848 *Saxostana alpina*
Deschampsia
On very summit of
tundra Mt. Sheringham
green spongy moss
deschampsia part
mossy.

4849 *Poa eminens*
Poa eminens
Sandy dunes just
below beach.
Fertile culms to
immature seed
some sticks

4850 *Poa alpina*
Poa
Sandy beach

4851 *Deschampsia cespitosa setifolia*
Deschampsia
Near beach Sept 1

4852 *Poa trivialis*
Poa
Along street

4853 *Hordeum nodosum*
Hordeum
along street

Victoria B.C. Sept 13

4854 *Ajuga reptans*
Ajuga
margin of lake
among tall reeds etc.
the same as the
form that I found.
In open places the
plants spread & several
one runners. Probably
the same as the ones
Bay Agassiz

4855 *Ajuga reptans*
Ajuga
near lake in rich
moistly damp, now
quite dry. Large

bunches, they about
1/4 of a bush, some are
as much as 4 ft tall,
+ bunches as much as
15 inches.

4855. *Agrostis hyemalis*
della. A small
bush + about normal
in appearance.

4856 *Hordeum*
Streets

4857 *Hordeum*
Streets

4858 *Arum*
Dry hills

4859 *Arum*
Dry hills

4860 *Elymus glaucus*
Crops

4861 *Agrostis spicata*

Long grass.

4862 *Arum*
Streets

4863 *Arum boreale*
Along roadside

4864 *Hordeum*
Along roadside

4865 *Poa compressa*
Along by track

4866 *Agrostis maritima*
shrubland depression.
= 4853 Along road
in new ground, Presbiter
+ forming long runners.
Much of it is sterile.

4867 *Agrostis vulgaris*
Pasture.

4868 *Agrostis maritima*
Along road. An atypical
form.

4566 *Poa triflora*
along roadside

4570 *Passiflora* *caerulea*
along top of bank
back of beach, West Bay

4571 *Poa*
along slope of bank
back of beach,
foliage stiff & glaucous

4572 *Elymus*
slope of bank back
of beach

4573 *Distichlis*
thrust in salt. Stand
only.

4574 *Panicum* *maritimum*
damp gravel near beach

4575 *Agrostis* *microphylla*
damp gravel near
beach

4576 *Elymus*
along beach

4577 *Panicum*
thrust near beach

4578 *Elymus* *capitatus*
near beach, foliage
glaucous, the spike
rarely white

4579 *Elymus*
damp place. Black
very broad.

4580 *Agrostis* *maritima*
A portion of a large
prostrate, glaucous bush
on gravel near
beach. Bush is small
as 4 or 5 ft in diameter
fls.

4581 *Agrostis* *maritima*
A large ascending
caulm from a bush
growing in a shady clump

Place: Apparently
same as 8880

8882 *Agrostis maritima*
In an open damp
place in a clade
growing in mass
Apparently = 8880 etc

8883 *Agrostis maritima*
In open gravel
thick bushes, growing
at base of the foliage
form of 8880.

8884 *Agrostis*
Growing near 8882
but more open
and a little more

8885 *Agrostis maritima*
Open damp bank
a few inches from
a large bush

Nos 8880 - 8885
are all growing together

A few forms of each
when the typical form
forms of one species

8886 *Distichlis*
along beach. Often
in the water

8887 *Prasella*
Along beach

Vancouver Sept 14
Nos 8888 - 8900 in West Vancouver

8888 *Poa biflora*
Moist soil along road

8889 *Agrostis exaristata*
Moist soil along road

8890 *Festuca rubra*
Open gravelly ground
along road

8891 *Trisetum*
Out off timberland

4892 *Agrostis* *diversa*
Open end of timber
land. The dense
brush & tall plants
see 4854.

4893 *Agrostis* *diversa*
See a less mature
plant

4894 *Deschampsia* *elastica*
ditto

4895 *Bromus*
Along stream

4896 *Agrostis* *foliosa*
Common in the woods
Asph of *A. alba*.
I thought it to
be *A. alba* but is indistinguishable
+ not from a bunch
foliated at base. Dried
plant. Even seen

4897 *Hordeum*
See 4892

4898 *Festuca*
Along road

4899 *Poa* *maritima*
Salt marsh - not rust

4900 *Bromus*
Along stream near beach

4901 *Elymus* *glauco*
Stoney Park

4902 *Hordeum*
Stoney Park near
beach. not rust

4903 *Agrostis* *maritima*
Stoney Park - rust

Columbia Falls, Mont.
Sept 17

4904 *Poa compressa*
Rural side

4905 *Prunella secunda*
Rural field

4906 *Elymus canadensis*
Low woods

4907 *A. patens* (alt.)
Sandy bank of river

4908 *A. gypsaea* Tenore
Sandy woods and
river.

4909 *Poa trivialis*
Sandy woods

4910 *Elymus glaucus*
Low woods.

4911

4911 *Stipa*
Dry open ground
near river

4912 *Stipa*
ditto - tall & slender
than 8511

4913 *Prunella tectorum*
Along road side

4914 *Deschampsia cespitosa*
Gravel of river
bed

4915 *Poa*
Sandy woods

4916 *Poa*
Sandy woods - very
like same as 8515.

4917 *Cinn. latifolia*
Low river woods

8918 *A. purpureum*
Open & dry ground
near river, forming
dense sod.

8919 *Trisetum*
Low woods

8920 *Calamagrostis*
Low woods.

8921 *A. purpureum* ~~dry~~
~~Sandy & open ground~~
~~Dry open ground~~

8922 *A. purpureum*
Same place in
woods.

8923 *Phlox arvensis*
Along brook

8924 *Panicum nervosum*
Along brook

8925 *Panicum americanum*
Marsh

8926 *Panicum nervosum*
Along brook

8927 *Alopecurus fulvus*
Along brook

8928 *Agrostis hiemalis*
Along brook

8929 *Beckmannia*
Along brook

8930 *Agrostis exaristata*
Along brook

8931 *A. purpureum* ~~diversa~~
Dry open ground

8932 *Panicum capillare*
Stubble field.

8933 *A. purpureum* ~~canadense~~
Dry woods.

8934 *Setaria*
Along my track

4935 *Hordeum jubatum*
Dry ground

4936 *Agropyron spicatum*
Dry open ground

4937 *Stipa minor* = 4911
Dry open woods

4938 *Calamagrostis*
Dry open woods

4939 *Stipa*
Dry open woods = 4912

4940 *Stipa (occidentalis)*
Dry open woods

4941 *Agropyron trichosperum*
Dry open woods.
Probably only a form
of *A. caninum* but
the one sided.

4942 *Agropyron spicatum*
Dry open ground

4943 *Agropyron tenerum*
Dry open woods

4944 *Agropyron caninum?*
Dry open woods

4945 *Danthonia*
Dry open pine woods

4946 *Stipa*
Humid place in
dry woods

4947 *Festuca*
Dry open ground

4948 *Agropyron (divergens?)*
Dry slope

4949 *Agropyron spicatum*
Dry slope }
high & low } 4948 mixed
with *Stipa*.

Leithbridge Alb.
Sept. 18

4950 *Bryopsis* *hymenocladus*
Dry hills

4951 *Hordeum jubatum*
Bottom land

4952 *Routeloua*
Dry hills

4953 *Bromus inermis*
Along ditch

4954 *Stipa annua*
Hill side

4955 *Elymus condensatus*
Single ravine

4956 *Agropyron*
Sandy bank river
[very abundant
at occident.]

4957 *Elymus*
Dry hills

4958 *Sporobolus cryptandrus*
Same along river

4959 *Agropyron*
Common on bottom
land (in the ocean)

4960 *Koeleria cristata* (L.) Pers.
Dry hills

4961 *Agropyron* (Canadensis?)
Dry hills in ravine

4962 *Elymus virginicus*
Bottom land

4963 *Elymus canadensis*
Ravine on hillside

4964 *Stipa comata*
Dry hills

5565 - *A. prophylla*
Many in the area
Tent spikes about 4
Chen flowers to light
with purple. Prairie
of hillsides

5566 *A. prophylla* *tenax*
Rougher leaves

5567 *A. prophylla*
Prairie of hillsides

5568 *Spergularia*
Dry hills

5569 *Calamagrostis*
Dry hills

See nos. 5080 - 5089

5040 to 5046 follow here

Calgary Sept 20.

570 *Hordeum jubatum*
Common on open
ground & a weed in fields

571 *Poa trivialis*
Along Ry

572 *Stipa viridula*
Prairie along Ry, ^{leaves} flat

573 *A. prophylla* *tenax*
Prairie along Ry

574 *A. prophylla* (Pursh)
Prairie along Ry ^{leaves} flat
Stems: red stalks, ^{leaves} glaucous

575 *Calamagrostis*
Prairie along Ry

576 *Kochia*
Dry prairie

4977 *Muhlenbergia* ^{in new}
Dry prairie along R. soil

4978 *Muhlenbergia*
dotted line in low
ground forming a run

4979 *Bouteloua*
New dry soil along R.
Common on dry prairie
forming large areas

4980 *Bromus tectorum*
along R. bank

4981 *Colanthe*
Dry soil along R.
Blacks flat

4982 *Lespedeza*
Prairie

4983 *Poa nemoralis*
Along R. dry soil

4984 *Alopecurus* *Richardsonii*
Dry soil

4985 *Phalaris arundinacea*
Ditch along R.

4986 *Bromus nemoralis*
Along R.

4987 *Poa* (*pratensis*?)
Low ground along R.

4988 *Colanthe* *portulacastrum*
Low ground along R.
affinity = 4975

4989 *Deschampsia cespitosa*
Low ground along R.
Common in low ground

4990 *Elymus canadensis*
Low ground along R.

4991 *Alopecurus* *terrestris*

4991 *Agropyron*
Low ground along R.

4992 *Agropyron*
Low ground along R.
Flowers

4993 *Calamagrostis canadensis*
Crops near river

4994 *Elymus (canadensis?)*
Bluff along river

4995 *Agropyron (flavescens?)*
Sandy clay bluff.

4996 *Poa (Porteri?)*
Sandy-clay bluff.

Baruff Sept 21

4997 *Poa*
Sedge in woods
along road
(I don't think this
is *Poa*)

4998 *Poa nemoralis*
ditch

4999 *Agrostis bicolor*
ditch

5000 *Poa alpina*
ditch

5001 *Agrostis exarata*
ditch, quite dense

5002 *Agrostis canina*
ditch

5003 *Deschampsia caespitosa*
ditch, 1/2 h bunch

5004 ~~Agropyron~~ ^{Agropyron} ~~flavescens~~ ?

dense in clay banks
very common over large
areas in pine woods
the shrub shrubs & low
like sedge in effect.

50
5005 *Poa compressa*
along roads

50
5006 *Poa* (*howellii*?)
detached along road
among pine woods

5007 *Calamagrostis*
detached, long seed heads

5008 *Poa triflora*
ditto

5009 *Festuca* (*ovina*?)
ditto

5010 *Poa*
detached [purpose - 5997]

5011 *Agropyron* *tenax*
ditto

5012 *Festuca* *spicata*
ditto

5013 *Agropyron* *tenax* (*pseudopod*)
ditto

5014 *Agropyron* *Richardsonii*
ditto

5015 *Calamagrostis*
Rocky woods above
barff.

5016 *Bromus*
ditto

5017 *Panicum* *nervata*
along road.

5018 *Hordeum* *jubilatum*
Rocky - common

5019 *Calamagrostis*
Open forest woods along
river

5020 *Puccinellia* (diversa)
Streets

5021 *Agropyron caninum*
Open forest woods

5022 *Helianthus*
Open ground

5023 *Elymus* (diversa)
Along stream

5024 *Calamagrostis*
Open open woods

5025 *Agropyron strigosum*
Along stream

5026 *Elymus micrantherus*
Prairie

5027 *Agropyron* *diversa*
Prairie

5028 *Calamagrostis* *canadensis*
Marsh

5029 *Agropyron micrantherus*
Grass along creek

5030 *Calamagrostis*
Marsh = 5019 (or 5024)

5031 *Calamagrostis*
Low poplar woods

5032 *Elymus*
Border of marsh

5033 *Koeleria*
Low Poplar woods

5034 *Calamagrostis*
Marsh

5035 *Slip* (rebarboreum)
Low Paplan covered

5036 *Poa urvula*^{ratios}
Gravel bluff

5037 *Trisetum*
Gravel bluff

5038 *Agropyron* (rebarboreum)
Gravel bluff

5039 *Colemania*
Rocky woods

Leech bridge Sept 22
see no 4850 &

5040 *Poa patristis* L
Along ditch

5041 *Poa compressa* L
Along ditch

5042 *Agrostis threinalis* (Mutt.)
BSP
Along ditch

5043 *Beckmannia*
eruciformis
Along ditch

5044 *Colemania*
Along ditch

5045 *Agropyron spicatum* (Pursh)
Ryan
Along by track

5046 *Agropyron caninum* L
Along street

Devils Lake Sept 28

5047 *Muhlenbergia racemosa*
Gravel
along lake

5048 *Sphenopholis*
dune

5049 *Andropogon scoparius*
dune

5050 *Panicum barbpulvinatum*
dune

5051 *Sporobolus airoides*
dune

5052 *Elymus canadensis*
dune

5053 *Spartina Michauxiana*
dune

5054 *Phragmites phragmites*
dune
one piece of horizontal
wood

5055 *Sporobolus*
dune. [all the
panicles are broken
and the spikelets
are white and
are not]]

5056 *Puccinellia airoides*
dune

5057 *Calamagrostis*
dune

5058 *Hordeum jubatum*
dune

5059 *Stachys spicata* (L.)
dune Greene

5060 *Poa triflora* Liliif.
border of woods

5061 *Muhlenbergia palifera*
of Elm & box elder woods
along lake. (Low)

5062 *Elymus* ^{virginicus}
dalle

5063 *Elymus* ^{striatus}
dalle

5064 *Elymus glaucifolius*
dalle. [Zalle, glaucifolius]
Spikes very long
& drooping
[base not on culm]

5065 *Procris*
dalle

5066 *Syntherisma*
dalle

5067 *Andropogon*
Andropogon furcatus Michx.
Prairie

5068 *Agropyron pseudoprairie*
Prairie

5069 *Agropyron* ^{caninum}
Prairie

5070 *Agrostis hiemalis* (Walt.)
Prairie

5071 *Agropyron*
Prairie - common

5072 *Elymus* ^{macounii}
Prairie

5073 *Elymus* ^{megastachya}
Along Bay

5074 *Calamagrostis*
Prairie = 5057

5075 *Sporobolus cryptandrus*
Same along lake

5076 *Spartina* ^{Nichauxiana}
= 5053 [Shrubbery varieties
in patches]

5077 *Spartina*
Same along lake. May be
same as 5053. A single plant
seen. [growing near S. Michx.]

5078 *Phragmites phragmites*

A slender plant growing

in sand along lake (Loburn)

A dense carpet of vegetation

Deer Creek

Sept 24

5079 *Poa trivflora*

Open woods

along lake (Loburn)

5080 *Agropyron caninum*
ditto

5081 *Agrop. Caninum*
ditto along by lake

5082 *Hordeum jubatum*
ditto (5078) open ground

5083 *Pinus barbi-pulvinatum*
ditto Nash

5084 *Calamagrostis Canadensis*
ditto near pond

5085 *Bromus*
ditto - near pond

5086 *Agrostis Canadensis*
along by

5087 *Panicum* ^{crispum}
dull

5088 *Elymus canadensis*
along track

5089 *Chaetochloa viridis*
dull

5090 *Ch. sp.*
dull

5091 *A. sp.* ^{non} *occidentalis*
dull

5092 *Poa compressa*
dull

Ashland Wis Sept 27

5093 *Muhlenbergia racemosa*
along Ry cut

5094 *A. sp.* *repens*
along Ry bank

5095 *Muhl. filiformis*
along Ry

5096 *A. sp.* *tenuis*
along Ry

5097 *Elymus canadensis*
along Ry

5098 *Hordeum jubatum*
dull

5099 *Panicum capillare*
dull

5100 *Poa trivialis*
dull

5401 *Poa compressa*
della

5402 *Agrostis lanuginosa*
della

5403 *Agrostis repens*
della, somewhat
arousal

5404 *Agrostis occidentalis*
della

5405 *Pharus*
Mixed *Pharus*

5406 *Pharus*
along track (probably
same as 5405)

5407 *Colinus*
By grass along by
Honey Creek (probably
of considerable area
[probably C. caudatus])

5408 *Colinus caudatus*
Bps, small form
more

5409 *Panicum* *canadense*
Slough along Ry

5410 *Panicum* *capillare*
Danthonia
arousal

5411 *Panicum* *capillare* L.
[Philadelphia]
[probably
P. capillare but small &
arousal]

5412 *Poa annua*
along street

Houghton's Herbarium
Sept 28

5113 *Danthonia*
Open ground in
woods

5114 *Agrostis alba*
Along by

5115 *Poa compressa*
Along by

5116 *Poa breiflora*
Open woods

5117 *Cinna*
Wet swals in shady
meadow in woods

5118 *Agrostis vulgaris*
Shady meadow

5119 *Avena* ^{no} *smithii*?
Rich woods, shady

5120 *Poa*
Low meadows among
brush

5121 *Pleurum* ^{res} *arundinacea*
Swamps

5122 *Panicum* ^{aria} *canad.*
Swamps

5123 *Calamagrostis canad.*
Along edge of meadow
in woods

5124 *Agrostis* (perennans?)
Among sedges along edge
of swamp in woods

5125 *Poa annua*
Along road

5126 *Cinna*
Edge of meadow in shade

5127 *Asper. Cereus*
meadow

5428 *Ellymus Canadensis*
Remains among
shrubs

5429 *Eragrostis Pectinacea*
Along sandy road

5430 *Agropyron* (reflexa)
Along by a sandy
ditch. After ground.

sets

4807

4808

4812

4813

4824

4825

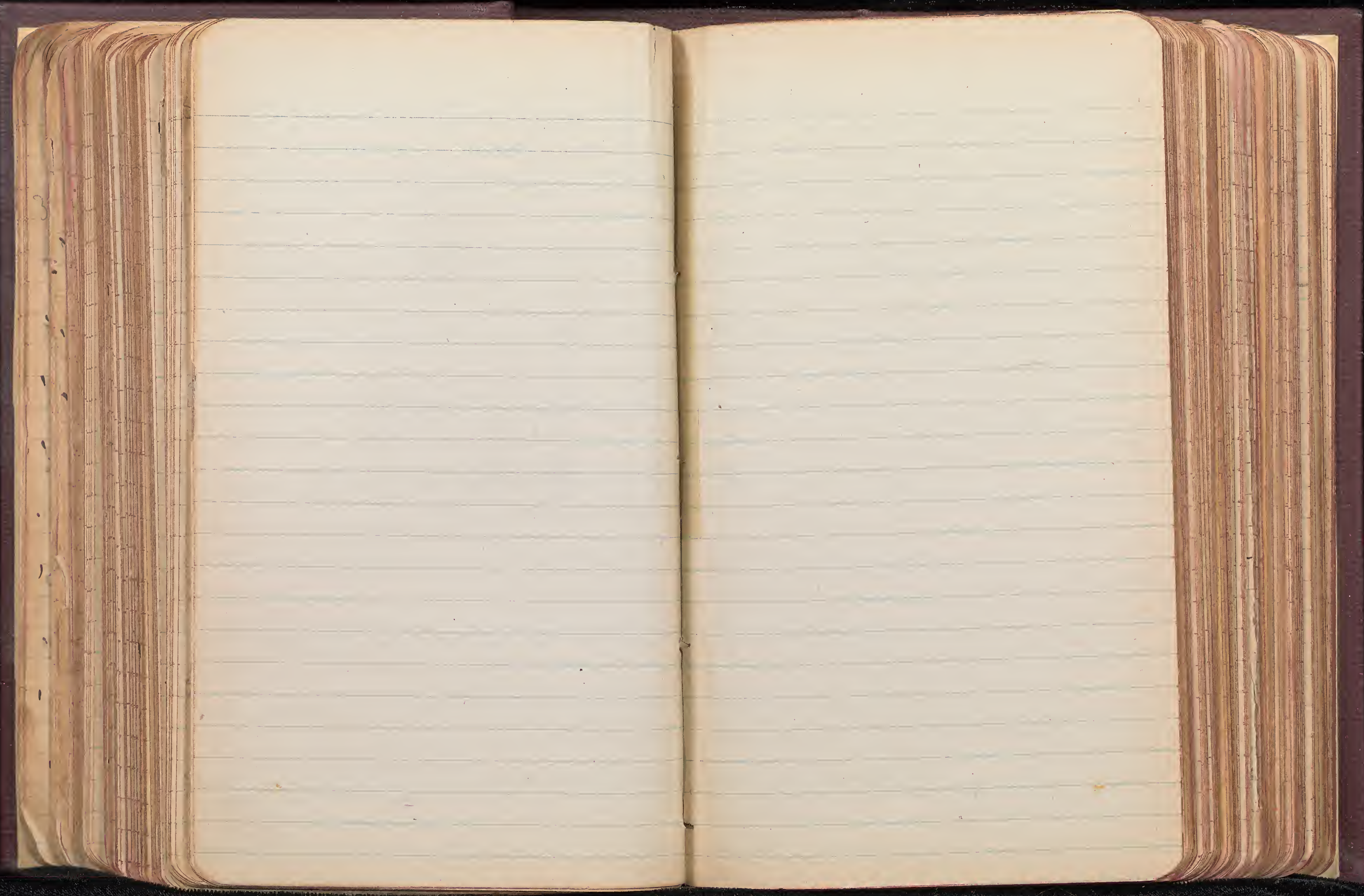
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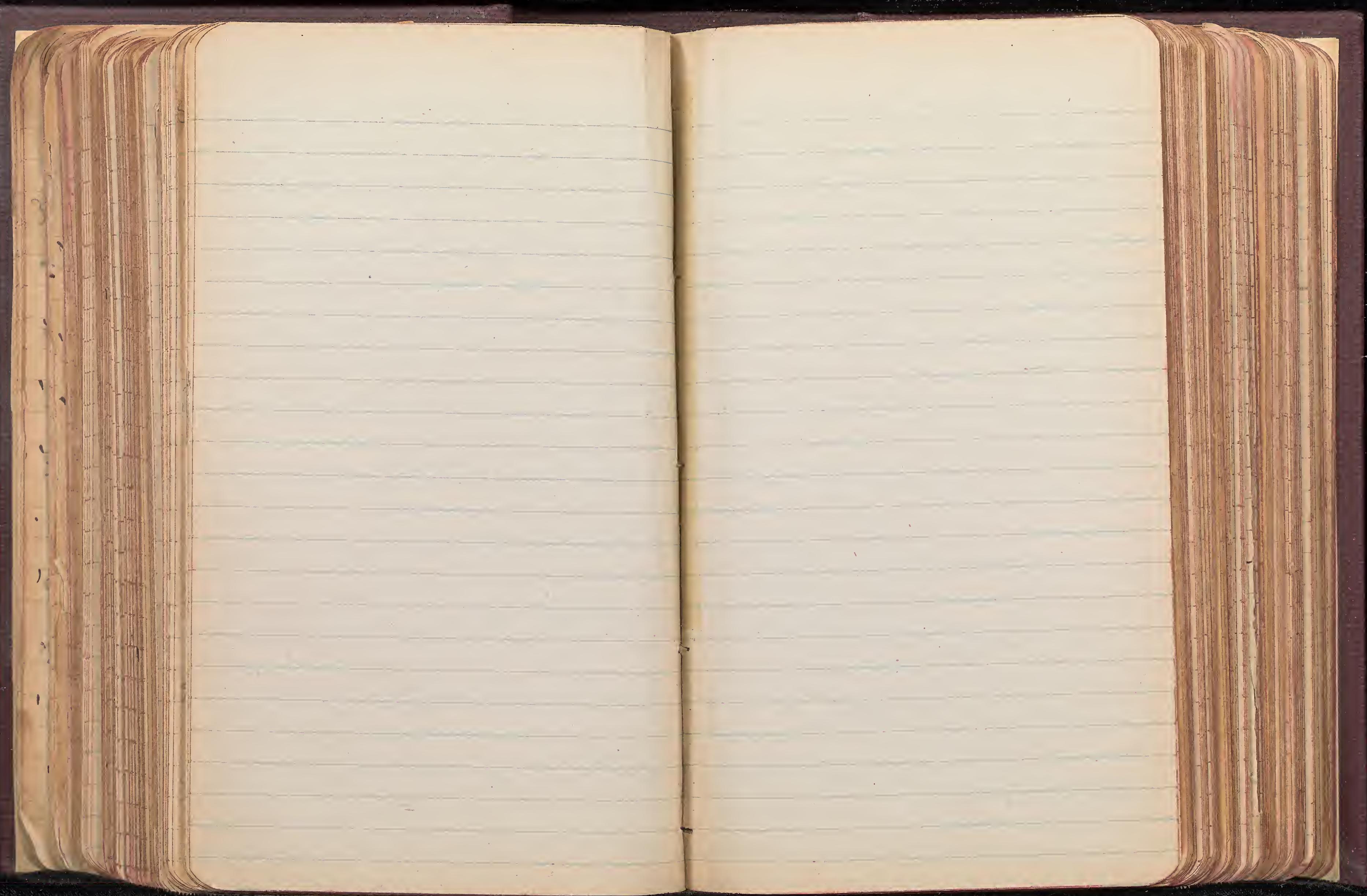
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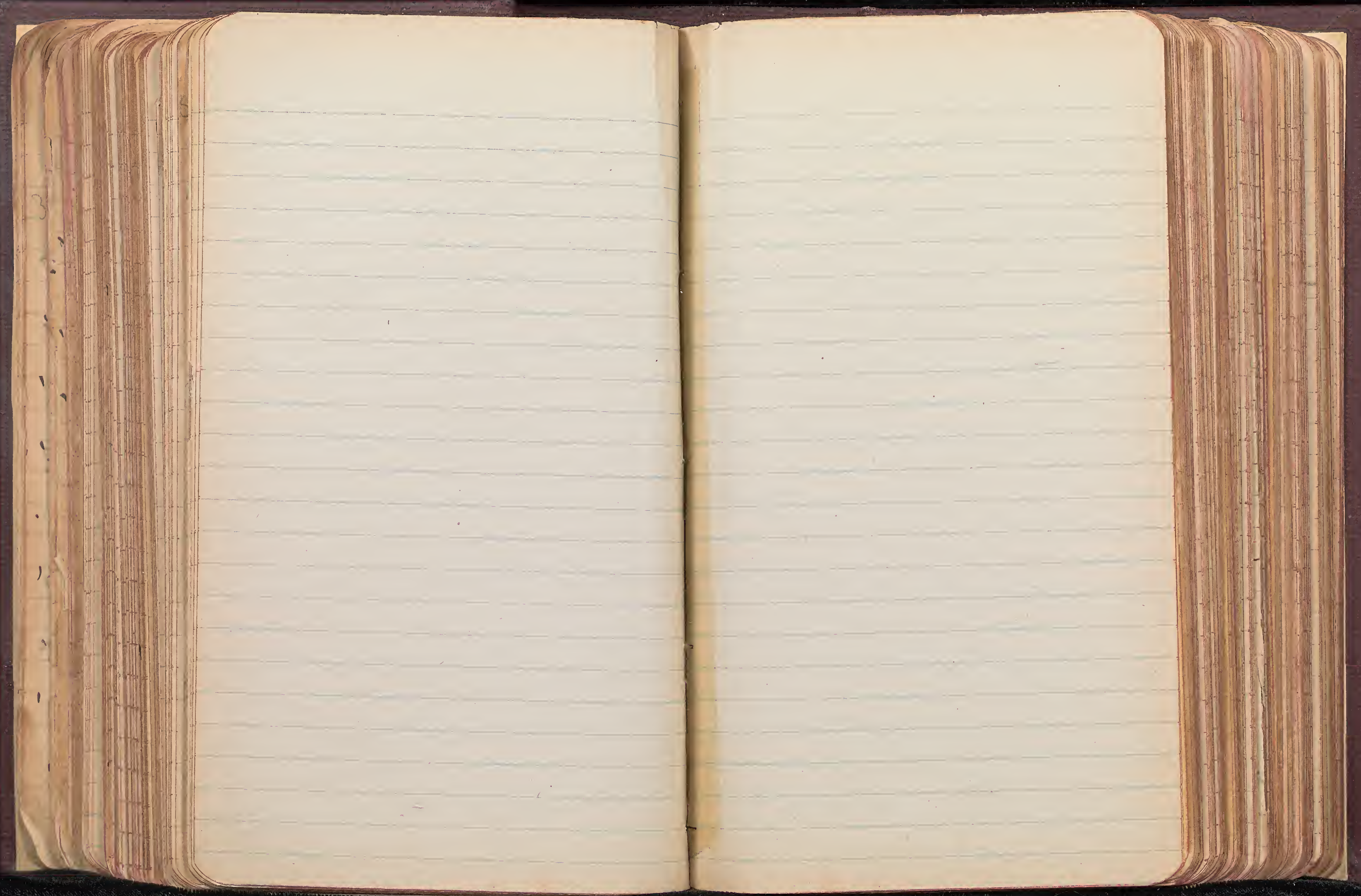
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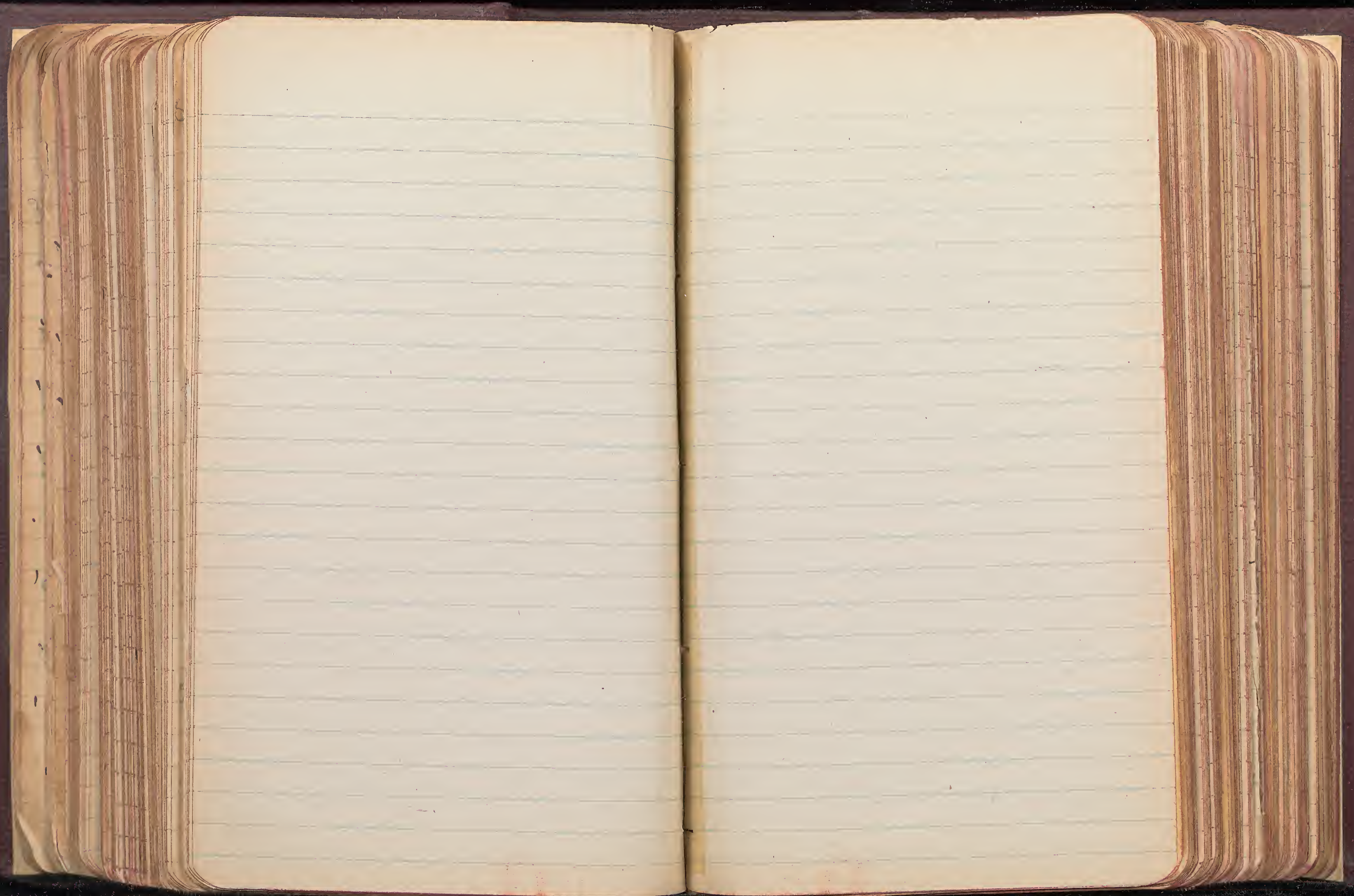
4841

4848









1910

Book 1

5131 - 5918

PLANTS OF TEXAS

Tamium
erect
rocky woods

Alt.
5284 A. S. HITCHCOCK, Collector

KERRVILLE
June 22, 1910

PLANTS OF TEXAS

Eragrostis
weed in garden, rare

Alt.
5156 A. S. HITCHCOCK, Collector

SAN ANTONIO
June 18-24, 1910

PLANTS OF TEXAS

Panicum scribnerianum
Nash
Sandy prairie

Alt.
5470 A. S. HITCHCOCK, Collector

SARITA
June 27, 1910

San Antonio Tex
June 28 - 1910
W. J. P. & Co. Farm.

5131 *Chalchicomula umbellata*
1 In large bunches, along
dry ditch. Culms erect
spreading. Foliage flat
somewhat bluish green. Per-
ennial but no rootstock

Chalchicomula composita
5132 *Chalchicomula composita*
large clumps along
dry ditch. Culms erect
spreading from
base. Perennial but no
rootstock

5133 *Bouteloua aristata*
2 Dry prairie, along road
among brush

5134 *Bouteloua aristata*
4 Dry prairie, along road.
Stems 2 feet to 3 feet

5135 *Chloris*

3 Dry prairie along road

5135½ *Bouteloua*

5136 *Bouteloua trifida*

✓ Dry prairie along road
✓ *Bouteloua* 5137

5137 *Aristida*

3 Dry prairie, large spreading
bushes, perennial

5138 *Sloanea leucostachya*

✓ Dry prairie, large
✓ spreading bushes

5139 *Hilaria cernuoides*

3 Dry prairie, forming
mounds like *Bouteloua*

5140 *Panicum fasciculatum*
✓ *chrysanthemum*, along

✓ dry ditch, annual
✓ black, flat or often
✓ rolled, soft pubescent
Panicum, small, green

Echinochloa crusgalli

5141 *Echinochloa*

along pond, in or near
the water, leaves

different from *Echinochloa*

crusgalli. Sheath rough

✓ *Echinochloa*, Panicle branch

opposed & curved

Base of glume succulent
round, scarcely flattened

5142 *Paspalum distachyum*

around pond, in or near
the water. Color blue-

green. Long anthers, above
or below the surface of
grain

5143 *Panicum filipes*

2 Bank near pond

These specimens are all
annual, probably from

seed of perennial plant
near. Some flowers at

first year

5144 *Panicum filipes*
✓ with the preceding (5143)
on dry ground
Perennial. This spec.
does not have
✓ inflorescence of P. hallii.
✓ Culm has short hairs
on leaves & perianth
dry masses.

5145 *Leptochloa filiformis*
✓ perennate. The racemes
are proportionally slender
than in the ordinary
form, & the glumes
perianth & seed
matted. Annual.
Nests some along
pond & growing well
5143

5146 *Paspalum hallii*?
✓ Along pond near the
✓ pool. Soil adobe. Large
bunches, low creeping, culms
ascending. Culm blue green

5147 *Nalca laevis* L.
✓ Common in fields

5148 *Helianthus* ~~coloratus~~
✓ Bank near pond

5149 *Poa* ~~foea~~ *Chert*.
✓ a bushy low flowered
soil black, rolled up

5150 *Chloris (elegans)*
✓ Dry ditch - adobe soil

5151 *Eragrostis megastachya*
✓ A weed in garden.

5152 *Leptochloa filiformis* ^{Lam.}
✓ a weed in garden ^{Ream.}
✓ Part of a large bunch

5153 *Sporobolus (cyllindricus)*
✓ a weed in garden

5154 *Cenchrus ciliaris* ^{Walt.}
✓ a weed in garden
looks different from C. ciliaris

Chaetochloa purpurascens (H. & A.)
5/55 *Chaetochloa purpurascens*
1. culms, a small
cluster, the leaves flat
bunch, the culms
spreading. Blade blue
green & purplish. Bracts
short, giving the spike a
green appearance in bud
yellow - 5/31, or purple
fringe as the bracts are
purple in bud & yellow.

5/56 *Eragrostis* (Texana?)
a small in garden

5/57 *Leptoloma cognatum*
1. a small in garden

5/58 *Panicum fasciculatum*
1. a small in garden
grasses, *Panicum* leaves

5/59 *Panicum fasciculatum*
2. same as 5/58 but
paniculate branches.

5/59 *Panicum texanum*

5/60 *Panicum filipes*
3. Dry grass leaves
not so long as 5/53
more the appearance of
P. holleanum

5/61 *Chloris*
2. Dry grass - edge of garden
= 5/50?

Chaetochloa caudata (H. & A.)
5/62 *Chaetochloa*

2. Along edge of field
Leaves different from
5/32. Bracts longer, spike
wide than compound

5/63 *Sporobolus*
2. Along edge of field

5/64 *Eragrostis*
3. In lawn at station
has many branches
with Eragrostis. The latter
growing with it.

5165 *Panicum obtusum*
2 Dry grass edge of field
forming long stolon

5166 *Phalaris*
2 Along pond - common

5167 *Scirpus*
2 Large bunches in
dry ditch.

5168 *Eleocharis*
2 Dry prairie

5169 *Andropogon scoparius*
2 Dry ditch

5170 *Juniperus*
2 Dry ditch in large
bunches - difficult
to dig.

5171 *Bromus inermis*
2 Edge of field.

June 18

5172 *Syntherisma*
2 Weeds around pond.

5173 *Eleocharis*
2 Shady hollow

5174 *Panicum fasciatum* ^{Egineuse} ^{charta}
1 Small, common in
corn field.

5175 *Panicum fasciatum*
2 Pubescent, common in
corn field, these have
curving sides by sides
and looking white
Both kinds are common

5176 *Panicum filipes*
3 A weed - cornfield
A large specimen

5177 *Panicum filipes*
2 Dry old field. A
small specimen

5178 *Chaetochloa composita*?
4 Old dry field. Limited
Specimens

5179 *Zizania*
Bottom of gravel pit

5180 *Eragrostis* (beardgrass?)
Bottom of gravel pit
Stems densely flex-
uous fresh

5181 *Sporobolus*
2 Mesa among mangroves

5182 *Aristida longical*
3 Bottom of gravel pit

5183 *Eragrostis amabilis*
4 Bottom of gravel pit
Plant stiff & fragrant

5184 *Tridax acuminata*
3 Bottom of gravel pit

5185 *Tridax* = 5156
Bottom of gravel pit

5186 = 5137
Bottom of gravel pit

5187 *Panicum Texanum*
Wet in garden

5188 *Andropogon*
1 along ditch = 5169?

5189 *Panicum* *ramisatum*
4 Ed. fr. of field

5190 *Eragrostis megastachya*
1 Wet in field

5191 *Aristida*
2 Dry area = 5137?

5192 *Paspalum vaginatum*
2 Low dry ditch, culms
erect, a dense knotty
root or crown.

5193 *Arctostaphylos*
in garden

New Braunfels June

5194 *Stipa leucotricha*
Dry ground near
mill.

5195 - 5226 near the K&S
Station along stream

5195 *Theriac* *utilis*
1. Wet ground

5196 *Eragrostis pectinacea*
2. Wet ground

5197 *Poa, beak-shaped*
2. Wet ground

5198 *Paspalum*
2. Along stone wall. Near
mill in second ground
original stream, etc.

5199 *Salicubula* *color*
in garden
2. Wet ground

5200 *Salicubula* *color*
not found.
Along street.

5201 *Zizaniopsis*
6. Little slough near
main stream. Growing
in clear water. Large
mosses.

5202 *Poa, fasciata* *abund.*
Along street.

5203 *Chaetochloa retroa* (Sw.)
2. Along street

5204 *Hordium*
1. Along street

5205 *Prunus, microcarpa*
1. Wet ground - annual

Pemphigus carolinianus
5206 *Pemphigus*
1 Along Ry track

5207 *Syrphid*
1 Along track

5208 *Pemphigus*
1 Dry bank

5209 *Arctid*
2 Dry bank

5210 *Arctid*
1 Dry bank

5211 *Arctid*
1 Dry bank

5212 *Elymus*
5 Woods along stream

5213 *Elymus*
2 Woods along stream
Wich 5212 but green
very thick at base

5214 *Poa annua*
Along road

5215 *Hemibolus*
In water at edge
of stream. Rootstock
present. Foliage very
rough scabrous backwards

5216 *Elymus*
1 Shady bank of stream
= 5212

5217 *Elymus*
2 diller = 5213

5218 *Arctid*
2 Open dry woods near
stream.

5219 *Eragrostis*
2 Open dry woods near
stream

5220 *Eragrostis*
1 Dry ground near stream

5222/ *Leptoch. canadensis*
1 weed in flower bed

5222 *Elymus*
1 Rocky woods. This
may be same as 5222
In old house on
roadway & have
sprawling among like
E. canadensis. The
young spikes are erect

5223 *Alnus*
1 Edge of lawn

5224 *Impatiens*
1 Along street

5225 *Pan. (angustifolia)*
1 Rocky woods

5226 *Chaetochloa composita*
1 Rocky woods

5227 *Elymus (near virginicus)*
1 Shady rocky bank

5228 *Elymus (canadensis)*
1 Shady rocky bank
growing near 5227 & iden-
tical in habit, & color

5229 *Linum arkan. (Pursh)*
2 In gravel pit
Leew

5230 *Leptochloa cognatum*
1 In gravel pit

5231 *Pan. helveticum*
2 Rocky woods

5232 *Chaetochloa umbellata*
2 Along bank of stream

5233 *Viola paniculata* L.
2 Bank of stream in woods

5234 *Pan. obtusum*
2 Dry ground

5235 *Pan. fuscum* ^{chartaginense}
2 Gravel. A weed in
corn field. Other spec
near were more or less pubescent

Cenchrus incertus M.A. Curt.
5236 *Cenchrus*
Wend in field, Red
1. In same 5/57

5237 *Chaetochloa setosa* (Sw.) Scribn.
2. Edge of field

5238 *Chloris*
2. Dry open ground
forming blue green
rings like buff
grass.

5239 *Panicum*
1. Wind in field

5240 *Tripsacum dasyphyllum*
1. Edge of woods near
river

5241 *Panicum* *fulgens*
1. Dry ground

5242 *Muhlenbergia* *laxa* (Lam.)
1. Dry ground

5243 *Sporobolus cryptandrus*
2. Dry ground

5244 *Eragrostis megala*
Along creek

San Antonio June 21

5245 *Chaetochloa setosa* (Sw.) Scribn.
1. Wind in field

5246 *Tridax*
2. Dry ground along Ry

5247 *Panicum* *reversum*
2. Dry ground along Ry

5248 *Eragrostis*
2. Dry ground among
apple trees

5249 *Alopecurus setaceus* (Lam.)
2. Shady bank of stream R+S

5250 *Muhlenbergia latifolia*

5250 Panicum
3 Shady bank of stream

5251 Paspalum
1 Shady bank of stream

5252 Panicum
2 Shady bank of stream

5253 Muhlenbergia
2 Shady bank of stream

5254 Paspalum
2 Shady bank of stream

5255 Tripsacum
1 Shady bank of stream

5256 Zigzagopis
In bank of stream

5257 Amaranthus
Along stream forming
large clumps, the
lower leaves green
or from the flower stalks

It resembles from slender
shoots.

Kerrville June 22

Cenchrus incertus M. A. Curtis

5258 Cenchrus
2 Grass land along
street

5259 Stipa leucotricha
2 Grass land along
street

5260 Paspalum
2 Grass along street

5261 Panic obtusum
2 Grass along street in
dry ditch

5262 Hordeum
1 Along street

5263 Chenopodium viridius
1 Along street

5264 *Arctostaphylos*
2 Dry ground along
street

5265 *Chelone*
3 Dry ground along
street

5266 *Chelone*
4 Dry ground along street
Spikes more slender
than 5265

5267 *Arctostaphylos longifolia*
2 Rocky woods

5268 *Erythronium*
2 Rocky woods

5269 *Panicum filipes*
1 Rocky woods - street

5270 *Panicum filipes*?
1 Along road - Proserpina
Spreading - open ground

5271 *Proserpina*
1 Wet along street

5272 *Elymus Canadensis*
1 Rocky woods

5273 *Panicum lindheimeri*
4 Along clay rocky
ravine in woods

5274 *Bouteloua*
3 Rocky ^{open} woods

5275 *Bouteloua curtipendula*
1 Rocky woods

5276 *Leptochloa cognatum*
2 Rocky woods

5277 *Arctostaphylos*
3 Rocky woods

5278 *Schizanthus*
1 Rocky open woods

5279 *Panicum*
Great bunch - rocky
recess

5280 *Eragrostis*
Open soft ground
along road, among
Sesuvium & *Portulaca*
Flat prairie, around

5281 *Andropogon scoparius*
Rocky hill

5282 *Tridax americana*
Rocky hill

5283 *Panicum reconditum*
Rocky recess

5284 *Panicum hallii*?
Rocky woods - great
bunches, dense leaves

5285 *Panicum* ^{undatum}
Rocky hill
Rocky recess

5286 *Eragrostis ciliata*
Rocky open woods

5287 *Eragrostis*
Rocky open woods
among low grass
in large knoll (common?)

5288 *Sporobolus crypt.*
Rocky ground

5289 *Elymus canadensis*
Edge of field along
fence - thick

5290 *Panicum hallii*?
Open rocky woods

5291 *Eriochloa*
Rocky soil by sand
edge of woods

[5283] *Chenopodium foliosum*
Wet, common, slender
growing by dense woods
Sometimes alone in ground

5252 *Tridax*
3 Rocky open ground

5253 *Panicum*
3 Along by track. open
places. This all erect

5254 *Eragrostis*
2 Dry open ground
along track

5255 *Panicum* fusc. *Chenopodium*
1 Along track

5256 *Phalaris*
1 Open ground along
track

5257 *Andropogon*
1 Shady bank of river
rocky soil

5258 *Agrostis Bourgaei* *Charitagin*
1 River bank. nearly
erect

5259 *Chaetochloa retorta* (Sw.) Scribn.
2 bank of river
brown flat blades

300 *Agrostis glauca*
Wet bank of river

301 *Paspalum* *hispidum*
Wet bank of river

302 *Aristida*
Rocky in clift

303 *Sphaeropholis*
Wet rocks along
river

304 *Phalaris*
Wet bank of river

305 *Panicum* *helleri*
3 Sandy low woods - open
flown land

306 *Panicum* *pedicellatum* Vahl
Rocky bank of river

5303 *Panicum* ^{pedicellate} ~~capitulum~~
3 Rocky bank of river

5308 *Pan.* *limbicum*
4 Wet rocks - *limbicum*
along river.
Probably about same
habitat as *typicum*
Rachis proboant

5309 *Elymus* (*virgatus*)
" Bank of river in
shade

5310 *Elymus canadensis*
2 Shady bank of river

5311 *Elymus*
1 Shady bank of river
same in doubt if
this = 5310

5312 *Urtica* *filipes*
1 Low damp
riverbank

5313 *Panicum* *virgatum* ~~capitulum~~
Low damp woods

5314 *Sporobolus* *oxylatus*
Wet in field. Leaves
as *spendens*, panicum
probably the same as
the strict form.

5315 - *Eragrostis*
Woods - Panicum sticky

5316 *Chloris*
Open grass land -
pasture

5317 *Hemolobos* *claus*
Shrub along river

June 23

5318 *Pan* (*fulva* or *occidentalis*)
Open ground along Bay
Breck. Presque-benches

5319 *Echinochloa colona*
Open dry ground along
by track, forest, Pineda
hills.

5320 *Panicum californicum*
Dry sandy ground
along by track, along
brushy area.

5321 *Bambusa distachya*
Dry prairie.

San Antonio
June 24 - Seven fawns
at Lake Mitchell
mi. South of Exp. 7 area.

5322 *Cenchrus ^{Cenchrus carolinianus}*
Wet in field.

5323 *Echinochloa ^{Echinochloa crus-galli} ciliata*
Moist ground along
ditch = 5741. A large
specimen.

Cenchrus incertus M.A. Curtis

5324 *Cenchrus*
Wet - sandy field

5325 *Brachiaria eripendula*
Dry ground.

5326 *Paspalum lepidum*
Dry ditch.

5327 *Paspalum lasiocarpum*
Along sewer ditch
Large clumps. Culm erect.

5328 *Valeriana saccharata*
Dry ground in marshy
prairie soil. Large perennial
clumps.

5328½ *Valeriana saccharata*
Dry ground in prairie near
ditch.

5329 *Valeriana Hitchcockii* same

5330 *Panicum, paniculatum*
Dry ground - sandy soil.
Large spreading clumps
5 mm - one foot diam.

5331 *Panicum rewechianum*
✓ Dry open ground - in
large clumps. The
leaves separate, some
in clumps of bulb-
like caudex. In
5330 there are clumps
of root sticks.

✓ 5332 *Panicum laxum*
A weed in cornfield.

5333 *Chloris* ~~*acutissima*~~
Along edge of field
in open ground near
ditch

5334 *Syntherisma curvipes*
✓ Open dry ground along
road side. Large clumps
of *Panicum brasil.* also
shrubs

5335 *Panicum ciliatiss*
Sandy soil, edge of field

5336 *Eriochloa*
Dry ground. In large
perennial bunches

5337 *Chenopodium*
Near ditch
Chenopodium hispidum S. & M.

5338 *Tridax*
Dry ground.

5339 *Aristida longiseta*
Dry prairie. In clumps
erect - perennials

5340 *Aristida* (*paniculata*)
Dry prairie. In clumps
erect. with 5335 one
Plant taller & denser
fruit cluster

Renee June 2 1901

5381 *Eragrostis*
along Ry track.

Corpus Christi Jan 27

5382 *Sporobolus vagans*
6 Along stream & bay

5-3X3 *Spermbolus argutus*
Same soil along R.
Black mason bay

Wet Prostrata Prunella
45 ft. Cinders, locally at
end.

5388 *Cenchrus corolliniflorus*
✓ sandy roadside

5-385 - *E. m. chrysomela*
1. *D. m. r. v. v.*

5-28 6 O'clock, overcast
3 Sunny with clouds

337 Cleland

² Sand, some along bay

3185 *Panicum ciliatiss*
Sandy soil along bay

345 Paula Copeland
Sandy and Jerry boy

350 Martell
Hard soil along bay
(Cachoe)

357 *Ariz. l. (m. l.)*
2 *Long Prairie*

352 *Panicum fasciculatum*
1 *Panicum*

35'3 *Lophoceros*
by *recondens*.

3514 *Echinocarpa*
1 *dutchae*
pyramidalis

5355 *Sclerocarya*
3/ Dry grassland
road abundant
all smaller
the ordinary form

5356 *Chloropsis*
1 Dry prairie

5357 *Panicum affinis*
1 Dry ditch along
road

5358 *Baccharis*
1 Dry prairie

5359 *Panicum filip.*
2 Dry prairie

5360 *Eragrostis*
2 In open, dry, sandy soil
Dry prairie & dunes

5361 *Sparganium* (argus)
Hole in prairie
in bushes

5362 *Parthenocarpus*
Low plant in prairie
near shore. Color
light green -
blue green etc
P. distichum

5363 *Chaetochloa* ^{composita}
(*composita*)
Dry prairie

5364 *Chloris fascicul*
Dry prairie

5365 *Lophocarpus* ^{cognatum}
Dry prairie

5366 *Eragrostis* ^{sequedifl}
2 Dry sandy soil

5367 *Bouteloua* (Texana)
2 Dry prairie

5368 *Volula* ~~intermedia~~
1 Dry bank

5369 *Stipa lanceolata*
1 Dry prairie

5370 *Andropogon scoparius*
1 Dry bank

5371 *Eragrostis*
1 Dry prairie

5372 *Scalytodes*
✓ Along road

5373 *Hemodes*
3 Dry depression
prairie

5374 *Chenopodium*
1 Along ditch

5375 *Panicum*
2 Dry ditch

5376 *Chenopodium*
1 Dry prairie - 5376

5377 *Eriochloa (punctata)*
Dry prairie

5378 *Paspalum*
Prairie along road

5379 *Bidens (albicans)*
Dry ditch

5380 *Panicum* ^{chartaguiense}
Wet field

5381 *Leptochloa*
2 Wet cornfield

5382 *Panicum*
1 Wet cornfield

5383 *Panicum*
i Along edge of cornfield

5384 *Bidens*
in billbush: soil

5385 *Panic filipes*
✓ Dry ditch - long
clumps (Spermatophytes)

Robstown June 27

5386 *Eleusine indica*
✓ Dry ground along R.

5387 *Sporobolus vaginatus*
✓ Dry ditch

5388 *Chaetochloa composita*
✓ Dry ground along R.

5389 *Sporobolus vaginatus*
3 Dry ground - prairie

5390 *Aristida purpurascens*
✓ Dry ground along R.

5391 *Tridax*
✓ Dry ground along R.

5392 *Eleusine indica*
✓ Dry ground along R.

5393 *Eriogonum*
✓ Dry ditch

5394 *Panic. fasciculatum*
✓ Dry ditch Sw

5395 *Panic. filipes*
✓ Dry ditch

5396 *Panic. graminatum*
✓ Dry ditch or bank
near dry ditch.

5397 *Eragrostis*
✓ Dry ditch

5398 *Valeriana*
✓ Dry prairie

5399 *Tripsacis*

Savita June 27

5400 *Eragrostis*

2 Sandy prairie

5401 *Eragrostis ciliaris*
Sandy plain

5402 *Eragrostis ciliaris*
Sandy plain

Brownsville from

5403 *Eragrostis ciliaris*
Bank of Rio Grande
Large clumps

5404 *Eragrostis ciliaris* ♂
Bank of Rio Grande
dry sandy loam

5405 *Andropogon saccharoides*
Andropog. sacchar.
Dry bank of Rio Grande

5406 *Sporobolus vaginatus*
In grass along River

5407 *Paspalum*
Large clumps near
creeper stolons - along
river

5408 *Paspalum conjugatum*
Sandy bank of R. G.
Fences long stolons

5409 *Eragrostis ciliaris*
Sandy loam bank of
R. G. river

5410 *Eragrostis*
Probably = 5403 but
grows in clear meadows
all ♂

5411 *Chloris*, *umbellata*
Along ditch

5412 *Phragmites*
Along river - herds
all bunches dense
with coarse, or small
& some one long runners

5413 *Chloris*
Grows land of Post

5414 *Paspalum virgatum*
along bank of River
2 in large clumps

5415 *Chenopodium*
2 Dry ground along
Ry.

5416 *Eragrostis (palea)*
1 Dry ground along Ry.

5417 *Eragrostis beyrichii*
1 Dry ground along Ry.

5418 *Bouteloua*
1 Dry ground along Ry.

5419 *Eragrostis capillaris*
2 Dry ditch - common
form - loose umbels

5420 *Eragrostis capillaris*
1 Dry ditch - close
matted

5421 *Eragrostis (capillaris)*
2 Dry ditch - this
form is frequent - seen
to be common 5.4.19 + 6.4.20
only the 1 seen. Color
yellow green. May
be a new variety.

5422 *Echinochloa crusgalli*
Echinochloa
Along irrigation ditch
Same 5-14

5423 *Echinochloa crusgalli*
irrigation ditch.
East.

5424 *Panicum fasciculatum*
2 *Chenopodium*
irrigation ditch

5425 *Amorpha caroliniana* Walt
2 *Amorpha*
irrigation ditch

5426 *Chenopodium*
4 Dry ground

5427 *Tridens*
2 Dry prairie

5428 *Eragrostis*
2 Along dry track

5429 *Bouteloua pinnatifida*
Open loose ground
2 Along dry track

5430 *Panicum filipes*
2 In sand dunes

Sabel June 29

5431 *Monanthochloa*
1 Prairie flat

5432 *Aristida*
2 Among cacti

5433 *Spartina*
1 Large beds in marsh
3 ft in dia, clear base 2-4 ft

Tarpon Beach June 29

5433 *Amorpha paniculata*
Sand dunes, beach

5434 *Paspalum*
Depressed in sand dunes

5435 *Distichlis*
Prairie flat in
sand dunes. Seem
different from *D. spicata*

5436 *Spartina*
Depressed in sand dunes

5437 *Eragrostis (or) Lappet*
Sand dunes

5438 Santa June 30

5439 *Cenchrus*
Cenchrus ciliaris L.
Sandy prairie

5440 *Syntherisma*
Sandy prairie

5441 *Aristida*
Sandy prairie

5442 *Paspalum (thamni)*
Sandy prairie

5443 *Aristida (pampani)*
Sandy prairie

5444 *Dactyloctenium*
Sandy prairie
near depot

5445 *Panicum, barbiparvum*
Sandy prairie

5446 *Chloris cucullata*
Sandy prairie

5447 *Leptochloa ambigua*
Sandy roadside

5448 *Panicum capitatum*
Sandy prairie

5449 *Eragrostis*
Sandy prairie

5450 *Eragrostis ciliaris*
Sandy prairie
the base is different
from 5435 - the prairie
more low-lying

5451 *Leptoloma cognatum*
Sandy prairie, hol
the red stalks, Panic
small

5452 *Schrad. curvata*
Sandy prairie, the
small heads

5453 *Hayden*
Sandy open ground
along Ry

5454 *Panicum capillare*
Sandy prairie

5455 Sparabola (argy)
7 Sandy prairie
foliage greenish
and fine S. argy

5456 Panic firmutina
✓ Sandy prairie
get large clumps 1-2 ft
diam knotted root
stalks

5457 Bouteloua
1 Sandy prairie

5458 Eragrostis (argy)
2 Sandy prairie
finer leaves than
5450

5459 Panic halimifolius
✓ Sandy prairie

5460 Aristida longistylis
2 Sandy prairie

5461 Eragrostis (argy)
Sandy prairie
Weir 5450 but the
stems much longer

5462 Panic sphaerocarpus
Sandy prairie

5463 Leptochloa ambigua
✓ Wet - along wet ditch

5464 Panic distachne
✓ Pond

5465 Eragrostis
4 Along by track - sandy

5466 Eragrostis
1 Sandy prairie

5467 Eragrostis (argy)
Sandy wet ditch

5468 Capriola
4 Wet alkali soil
near pond

5469 Sporobolus juncea
all over the field

5470 Pennisetum Scribnerianum

5471 Amelanchier canadensis
Sandy prairie

5472 Sperobolus caryophyllus
Sandy prairie

5473 *Cenchrus carolinianus* Willd.
Cenchrus
Sandy prairie near
large den corner

5474 Sperobolus (juncea)
Sandy prairie

5475 Aristida
Sandy open ground
all over the prairie

5476 Pennisetum nodatum
Common in field
Sandy oak woods & den

5477 Trifolium repens
Sandy prairie

5478 *Chaetochloa composita*?
Chaetochloa
Sandy oak woods

5479 Symplocos
Sandy oak woods

5480 Pasp. vaginatus
Pond

5481 *Cenchrus carolinianus* Willd.
Cenchrus
Sandy oak woods

5482 Aristida
Sandy prairie

5483 Eragrostis
Sandy clay detrital
soil, affluence around

5484 Eragrostis ciliaris
Sandy prairie, the
upper part of the field
several.

5485 *Deschampsia flexuosa*
Pond.

5486 *Chloris polystachya*
2 Sandy dunes in
village.

5487 *Parpalum*
7 Sand dunes

5488 *Parpalum*
1 Sand dunes

5489 *Eragrostis*
2 Sandy prairie

San Antonio July 5

5490 *Chloris* ^{truncata} ~~flexuosa~~
cel/ Prairie

5491 *Eragrostis* (terrestris)
more ground in
2/ gravel pit

5492 *Eragrostis*
1 Gravel pit

5493 *Panicum hirtellum*
1 Gravel pit

5494 *Aristida*
1 Gravel pit

5495 *Eriodermis*
Set Dry prairie

5496 *Chloris*
Set Dry prairie
stems for 2 things

Laredo July 5

5497 *Chloris cucullata*
Irrig. field

5498 *Panicum ramisetum*
2 Irrig. field

5499 *Panicum texanum*
2 Irrig. field

5500 *Pennis. halleri*
Wrig. field

5501 *Cenchrus carolinianus* Walt.
1 Wrig. field - success

5502 *Cenchrus carolinianus* Walt.
1 Wrig. field - larger
inflorescence

5503 *Bouteloua*
1 Dry Chaparral - perenn

5504 *Pennis.*
1 Wrig. field - annual

5505 *Sporob. crypt.*
1 Wrig. field

5506 *Sporob. crypt.*
1 Dry ground along Ry

5508 *Chaetochloa composita?*
1 Wrig. field

5509 *Cenchrus carolinianus* Walt.
Wrig. field - spines, very

5510 *Pennis. fasciculata*
Wrig. field

5511 *Blennoch. colorea*
1 Wrig. field - prostrate

5512 *Leptoloma cognatum*
Wrig. field

5513 *Elymus*
1 Wrig. field

5514 *Volola?*
1 Wrig. field

5515 *Pennis. ciliata*
1 Wrig. field

5516 *Collins?*
Along street

Monterey July

5517 *Leptochloa* ^{*Leptochloa dubia*}
Rocks

5518 *Bouteloua curtipendula*
Rocks in shrubs

5519 *Sporobolus argutus*
Along creek

5520 *Aristida* ^{*arizonica*}
Rocks in shrubs

5521 *Valota hutchcockii*
Rocks in shrubs

5522 *Paspalum distichum*
Rocks in shrubs

5523 *Cenchrus carolinianus*
Along creek

5524 *Chloris cucullata*
Chloris

Edg of field

5525 *Bouteloua*
Edg of field

5526 *Aristida* ^{*arizonica*}
Edg of field

5526 1/2 *Aristida* ^{*arizonica*}
Leptochloa ^{*Leptochloa cognatum*}
Agave field

5528 *Valota incanaria*
Edg of field

5529 *Andropogon* ^{*Andropogon*}
Edg of field

5530 *Chloris ciliata*
Chloris
Edg of field

5531 *Bouteloua tinii*
Agave field

5532 *Bouteloua trinitii*
✓ Along B. Bank

5533 *Panicum obtusum*
2 Edge of field - red
inflorescence - long
narrow.

5534 *Chaetochloa composita*
1 Edge of field.

5535 *Panicum fasciculatum*
1 Corn field

5536 *Iridopsis acuminata*
1 Middle of field
Irreg. clods

5537 *Panicum fallax*
1 Irreg. clods

5538 *Brachiaria (aff. villosa) ophryodes*
10 Along stream
9/10 (or Paspalum)

5539 *Nassella aliena*
14 Field.

5540 *Panicum texanum*
Weed in corn field

5541 *Panicum fasciculatum*
Weed in corn field
Sheaths pubescent.

5542 *Chaetochloa composita*
Edge of field.

5543 *Valota saccharata*
1 Edge of field.

5544 *Andropogon saccharoides*
3 Edge of field.

5545 *Stipa prismatica*
2 Edge of field

5546 *Valota saccharata*
1 Edge of field.

5547 *Panicum capillarisoides*
4 Edge of field

5-5-88 *Echinochloa colona* (S.) V.
1 Irrig. ditch

5-5-89 *Paspalum pubiflorum*
3 Irrig. ditch

5-5-50 *Chloris ciliata*
✓ Edge of field
✓ Large bunches

5-5-51 *Sporobolus cryptandrus*
3 Sandy soil by river
R. San Juan

5-5-52 *Paspalum distichum*
2 Mound bank along
river

5-5-53 *Holcus holcoides*
1 Sandy field

5-5-54 *Leptochloa filiformis*
3 Corn field

5-5-55 *Paspalum pubiflorum*
Paspalum
along river, ditch

5-5-56 *Cenchrus ciliaris*
Mound sand along
river

5-5-57 *Arundo donax*
Arundo donax
along river - forming
thicket - specimen
not saved separately

5-5-58 *Panicum*
along edge of thicket

5-5-59 *Chloris clandestina*
✓ Edge of field

5-5-60 *Chaetochloa gracillima*
✓ Edge of field

5-5-61 *Paspalum monostachyum*
Paspalum
Edge of field - road side

5-5-62 *Paspalum origola*
2 Shady, rich soil

5563 *Paspalum pubiflorum*
along irrig. ditch
2

5564 *Paspalum buxifolium*
along irrig. ditch
3

5565 *Paspalum luteum*
along irrig. ditch
2

5566 *Aristida purpurea* Berland
along Ry track
2

5567 *Aristida micrantha*
Edge of field
1

5568 *Chloris tenuispica*
along irrig. ditch
2

July 8 (Albisp)
5569 *Bouteloua filiformis*
Rocky hill
1
alt

5570 *Chaetochloa imberbis*
along irrig. ditch
1

5571 *Sphenopholis obtusata lobata*
along irrig. ditch

5572 *Paspalum pubiflorum*
along irrig. ditch

5573 *Paspalum oricola*
along irrig. ditch - wet
3

5574 *Chloris*
along irrig. ditch
2

5575 *Paspalum distichum*
along irrig. ditch, spelt,
2-4 5 - color blue green
prolonged as a
pennon number

5576 *Eriochloa polystachya*
along irrig. ditch
2

5577 *Agrostis stolonifera*
along irrig. ditch
1

5578 *Chloris cucullata*
along ditch
1

Saltella July 10

5579 *Stipa clandestina*
Dryopogon fls. with
dry ground

5580 *Sporobolus argutus*
Along stream
or ditch

5581 *Sporobolus airoides*
Dry ground - Large clump
in meadow
3 ft in diam.

5582 *Panicum obtusum*
Along small irrigation
1

5583 *Chaetochloa imberbis*
Along small irrigation
Premise. blue green
Folks long. - Differed
from 5570 in that
head spike along base

5584 *Bromus proximus*
Dry ditch

5585 *Chloris (submutica)*
Along small or ditch

5586 *Chloris submutica*
Along small or D.

5587 *Paspalum distichum*
Along small or D.

5588 *Paspalum distichum*
Along small or D.
very brown - 5588
seeds coarser

5589 *Chaetochloa compressa*
Along small or D.

5590 *Paspalum pubiflorum*
Along or D. - small

5591 *Leptochloa (Leptochloa)*
Along small or D.

5592 *Echinochloa polona (2) Link*
Along small or D.

✓ 5-5-53 *Brachiaria meziana*
along road on ditch

5-5-54 *Bromus*
along on ditch.

✓ 5-5-55 *Sporobolus airoides*
Along side in vry
field. Long dense

5-5-56 *Pulchra dactyloides*
Along road on ditch

5-5-57 *Eragrostis lugens*
2 Corn field

5-5-58 *Agrostis setonifera*
2 Along ditch
Wet irrig. Ditch

5-5-59 *Echinochloa colona* (L.) Link
1 field - zone form

5-6-60 *Echinochloa frumentacea*
4 Along ditch

60 *Poa annua*
Wet on ditch

602 *Paspalum distichum*
Wet on ditch

603 *Elymus brachystachys*
Along on ditch.

604 *Echinochloa crus-galli*
Along on ditch

605 *Panicum hallii*
Along ditch

606 *Echinochloa crus-galli mutica*
In field. Spikes
slender

607 *Echinochloa crus-galli mutica*
on ditch - zonate

608 *Paspalum pubiflorum*
In ditch

609 *Panicum plenum*
Along on ditch

forms a long pale
of decumbent base
This was much grazed
only one flower stalk

5610 *Chaetochloa imberbis*
Clasical imberbis
(perennans?) shrub
bush (ascending)
not horizontally spread

5611 *Pappophorum apterum*
Dry ground in
dry field bushes

5612 *Echinochloa crus-galli mutica*
In wood of alder
Can stem & E. column
anthesis & E. long
a thick greenish
mucilage. Stem with
all growing together
to several of heads

5613 *Muhlenbergia squarrosa*
Sporadic in
Open dry ground
with bushes

Bouteloua curtipendula
614 Bouillon ~~decumbent~~
Rocky hill (ditch)
Sandy field - river bottom

615 *Valota racchavata*
Volola
Rocky hill

616 *Aristida ~~fruticosa~~ ^{microcha}*
Aristida
Rocky hill

617 *Stipa multicaulis*
Stipa
Rocky hill

618 *Aristida ~~pauciflora~~ ^{berlandieri}*
Aristida
Rocky hill

619 *Muhlenbergia monticola*
Muhlenbergia (pauciflora)
Rock hill

620 *Chloris virgata*
Chloris
Along wet ditch

621 *Eragrostis pilosa*
Eragrostis
Wet ditch

622 *Elymus trachystachys*
Elymus
Along shady ditch

July 11

Andropogon saccharoides

5623 *Andropogon saccharoides*
Sandy field - river bottom

Muhlenbergia calamagrostis

5624 *Muhlenbergia calamagrostis*
Sandy ground - river bottom = 5619

Sporobolus cryptandrus

5625 *Sporobolus cryptandrus*
Sandy field - river bottom

Chaetochloa grisebachii

5626 *Chaetochloa grisebachii*
Sandy field - bottom

Eragrostis lugens

5627 *Eragrostis lugens*
Sandy field near river

Cenchrus carolinianus

5628 *Cenchrus carolinianus*
Sandy field - river bottom

Eragrostis mexicana

5629 *Eragrostis mexicana*
Fields - along
Fishes Lake

Eragrostis mexicana

5630 *Eragrostis mexicana*
Wet place along track

Leptochloa dubia

5631 *Leptochloa dubia*
Fields - sandy river bottom

Aristida bromoides

5632 *Aristida bromoides*
Sandy field - river bottom

Eragrostis megastachya

5633 *Eragrostis megastachya*
Wet field

Chaetochloa compressa

5634 *Chaetochloa compressa*
Wet field - shaded

Pappophorum laxiflorum

5635 *Pappophorum laxiflorum*
Dry ground - river bottom
is this = 5611?

Sporobolus airoides

5636 *Sporobolus airoides*
Sandy ground - river bottom

Andropogon barbinodis

5637 *Andropogon barbinodis*
Dry ground - river bottom

Syntherisma sanguinalis

5638 *Syntherisma sanguinalis*
Wet along stream

5639 *Bouteloua trinitii*
Pronunciation

1 Dry mesa

5640 *Chenopodium*
2 Weed in park

5641 *Chenopodium*
5 Weed in park

5642 *Eragrostis mexicana*
2 Weed in park
I think I got some
of this sample and
the rest in Set
5629

5643 *Eragrostis limboata*
Weed in park
This is the same as
the set of 5625 of
mexicana

5644 *Sporobolus*
✓ Dry mesa. One pair
✓ of old pharol leaves
✓ It may be S. Wright

but it is all made
up of the same. It is
abundant in the locality
Long clump, originally
seem to be a diam. but
broken up some by the
plow.

5645 *Pappophorum*
Arroyo area then 2
the same?

5646 *Tridax pulchella*
1 Weed. *Tridax*
Dry mesa

5647 *Eleusine myosuroides*
Eleusine
~~Arroyo area~~
Dry mesa

July 14

5648 *Bouteloua trinitii*
2 Depressions in dry
mesa

5649 *Hesperis matronalis*
1 Weed in field

Chaetochloa imberbis
5650 *Chaetochloa imberbis*
Along irrig. ditch
2 Bushy bluish green
leaves rather dense
bristles white, long
horizontal, spreading

Polygona elongata
5651 *Polygona elongata*
1 Along irrig ditch

Muhlenbergia squarrosa
5652 *Muhlenbergia squarrosa*
Dry grassy hill
in ditch. Flowers
in dense tangled
mat

San Luis Potosi
July 75

Leptochloa dubia
5653 *Leptochloa dubia*
2 Along dry ditch

Ambrosia caroliniana
5654 *Ambrosia caroliniana*
1 Dry field

Echinochloa crus-galli mutica
5655 *Echinochloa crus-galli mutica*
Dry ditch - young

Chloris virgata
5656 *Chloris virgata*
field

Panicum obtusum
5657 *Panicum obtusum*
field

Eragrostis
5658 *Eragrostis*
5 Dry ditch - all
seeds in same species

Eragrostis mexicana
5659 *Eragrostis mexicana*
5 Dry ditch looks
different from 5658 & d
/ pan. are large
spikelets large

Paspalum barbatum
5660 *Paspalum barbatum*
4 Dry ditch

Eragrostis mexicana
5661 *Eragrostis mexicana*
1 Field = 5659

Eragrostis mexicana
5462. In grassy
field - common. 5463
+ probably the same
has panicle of 5-6
5464 on same place
I think.

5663 *Bulbilia dactyloides*
Dry ground near
field

5468 Chaetochloa minima
Chaetochloa minima
Deep field

8/26/65 *Chaetochloa communis*
Chetochloa
Algae found

2666 *Sporobolus indicus*
7 *Sporobolus indicus*
Old field

5-667 *Bromus raciniatus*
4 *Bromus*
Gef. 2

5668 *Bracharia megala*
Alfalfa field

469 *Chaetochloa imberbis*
Chenop. umbell.
abundant

670 *Leptochloa dubia*
alfalfa field.

671 ~~Slip~~ (Scliger)
On a dump of wood
along a river. in
mes a

472 *Eragrostis lugens* (Lam.)
2 Ed. fr. of field.

5673 *Bouteloua curtipendula*
2d pr of field

567x *Aristida* ~~*aristida*~~
Edge of forest

1655 - *Bouteloua gracilis*
Boulevard (Lurane)
2 Silp. 2 full - spike one

2 on (Aug 21) 9
5476 ~~Hubert on Wright~~ *Quercus phellos*
✓
Set on left of field

5677 *Briza rotundata*
Poa
gl/ Edge of m. ditch
5678 *Sporobolus indicus*
Shrub (india)
1 Inj. ditch

5679 *Bouteloua filiformis*
Bentel, brownish
2 Prostrate bunches
scandling culms

5680 *Sporobolus airoides*
Along ditch
gl/ Edge of field

5681 *Andropogon perforatus*
Andropogon
gl/ Edge of field

5682 *Leptochloa fascicularis*
Leptochloa
1 Inj. ditch

5683 *Paspalum distichum*
Paspalum
1 Inj. ditch

5684 *Polypogon elongatus*
Polypogon
gl/ Inj. ditch
gl/ Growing under in the woods
in clump - a dozen

685 *Deschampsia pringlei*
Poa
Inj. ditch. 30 cl.
sum. 5688?

686 *Chloris submutica*
Chloris
2 Edge of field

687 *Aristida divaricata*
Aristida
Prostrate leaves.
The culms very clear
depressed at base where
growing in sufficiently
open ground
fragile

688 *Muhlenbergia squarrosa*
Sporobolus (pampa)
1 Edge of field

5689 *Hordeum vulgare*
Barley
1 Edge of field - escaped
Volunteer - the main
crop is harvested early

5690 *Andropogon fernsidei*
Andropogon
gl/ Near inj. ditch. a
single large bush - erect

July 16
5491 *Chloris elegans*
2 Irrig. ditch

5492 *Bouteloua procumbens*
1 Irrig. ditch

5493 *Holcus halepensis*
1 Irrig. ditch

5494 *Quercus feta*
1 Mound - edge of field

July 17
5495 *Najas alternata*
2 Irrig. field - alfalfa

5496 *Eragrostis megastachya*
2 Irrig. field - alfalfa

5497 *Hordeum vulgare*
2 Vetch - with S.

5498 *Chloris virgata*
1 Irrig. field

Cenchrus carolinianus
5499 *Cenchrus*
2 Irrig. field

Muhlenbergia microsperma
5500 *Muhlenbergia* (depaup)
2 Edge of field

Muhlenbergia squarrosa
5501 *Muhlenbergia* (penn)
1 Edge of field

Valeriana (terrarium?)
5502 *Valeriana*
1 Edge of field

Chloris virgata
5503 *Chloris*
Post - Alameda

Triticum vulgare
5504 *Triticum*
2 Cult. field - crop
very abundant

Triticum vulgare
5505 *Triticum*
2 Vexed with above
about equal amounts.

July 18

5706 *Poa annua*
Park

5707 *Bouteloua procumbens*
Edge of field

5708 *Eragrostis*
Open field

5705 *Sporobolus indicus*
Open field
Long clumps. See
for common on side

5710 *Antitida*
Edge of field
Sandy soil

5711 *Poa annua*
Open field

Cardenas July 19

712 *Panicum decoloratum*
Along stream bed
along R. bank
Culms ascending from
a spreading base

713 *Hilaria cernuvaria*
Open grassy ground
near creek. Forms
long runners.

714 *Stipa leucostachya*
3. Prairie land,

715 *Eragrostis limboata*
Cult. field - very

716 *Andropogon scoparius*
2. Along creek.
Prairie. Single or
in small clumps

717 *Eragrostis plumbea*
1. By creek

5718 *Bouteloua filiformis*
Boul. bromoides
By cut.

5719 *Panicum paniculatum*
Panic. paniculatum
3 Along Ry track

5719½ *Panicum hallii*
Chaetochloa imberbis
5720 *Chaetochloa imberbis*
1 Mound soil, bristly
moderately long, spike
rather long.

5721 *Sporobolus argutus*
Sporob. argutus
1 Along Ry track

5722 *Chaetochloa imberbis*
Chaet. imberbis (deep)
2 Along Ry track
bristly, glume, culm
sheath.

5723 *Paspalum humboldtianum*
Paspalum
2 Ry cut, on bank
edge

5724 *Aristida lanata*
Aristida berlandieri
2 Pa. arid.

5725 *Eragrostis mexicana*
Eragrostis (Mexican)
Cult. irrig. field

5726 *Muhlenbergia epila*
Muhlenbergia
By cut

5727 *Paspalum notatum*
Paspalum notatum
3 ditch of Ry cut

5728 *Panicum fasciculatum*
Panic. fasciculatum
2 Along Ry cut

5729 *Chaetochloa macrostachya*
Chaet. macrostachya
4 Along irrig. ditch

5730 *Valota hirtellae*
Valota (Lurida?)
4 Along Ry cut

5730½ *Paspalum Lehmanniana*
Paspalum Lehmanniana
5731 *Eragrostis ciliaris*
1 Eragrostis
By cut

5732 *Leptoloma cognatum*
Leptoloma
1 By cut

5733 *Cenchrus carolinianus*
1 along Ry track

5734 *Chloris ciliata*
2 along Ry track

5735 *Paspalum pubiflorum*
2 Ry track

5736 *Paspalum liebmanni*
2 Ry track

5737 *Echinochloa walteri* (Pursh)
1 along Ry track, ditch

5738 *Bouteloua curtipendula*
1 Prairies, meadow

5739 *Leptochloa dubia*
1 along ditch

5740 *Paspalum flaccidum*
2 in water of pond
forming runners

5741 *Agrostis stolonifera*
1 along ditch

5742 *Bulbilia dactyloides*
Prairies

5743 *Paspalum distichum*
1 wall of irrigation ditch

5743 1/2 *Paspalum buckleyanum*
5744 *Pennisetum laxiusculum*
1 along field

5745 *Poa annua*
1 along in ditch

5746 *Syntherisma sanguinalis*
1 along ditch, field

5747 *Andropogon furcatus*
2 along in ditch

5748 *Paspalum distichum*
2 wall of ditch

5748 1/2 *Paspalum buckleyanum*

5749 *Chloris virgata*
1 *Chloris*
Irving, ditch

5750 *Echinochloa colona* (L.) Link
1 *Echinochloa*
Irving, field

5751 *Cenchrus echinatus*
self *Cenchrus* (echinatus)
Irving, field

5752 *Brachiparia plantaginifolia*
set *Brachiparia*
Irving, field

Las Canoas July 20.

5753 *Bouteloua curtipendula*
2 *Bouteloua*
Prairie

5754 *Panicum bulbosum*
2 *Panicum*
Prairie hillsides -
especially in lower
places - Large dense
one among species

5755 *Trisetum degenianoides*
1 *Trisetum*
Clay cut, bank

5756 *Panicum ghiesbreghtii*
1 *Panicum* (ghiesbreghtii)
Along Ry. track
moist soil

5757 *Eleusine indica*
1 *Eleusine*
Along Ry.

5758 *Brachiparia plantaginifolia*
1 *Brachiparia*
Along Ry. & in
open moist
soil, decumbent &
rooting at base

5759 *Andropogon near A. saccharoides*
1 *Andropogon*
moist grassy place

5760 *Paspalum schaffneri*
4 *Paspalum*
moist grassy ground

5761 *Echinochloa imberberis*
1 *Echinochloa*
moist grassy soil
short stout long
compacted bunch

5762 *Heteropogon contortus*
1 *Heteropogon*
Prairie

5763 - *Elymus brachystachyus*
1 Rich copse

5764 *Paspalum plicatulum*
2 *Paspalum plicatulum*
1 *Paspalum plicatulum*

5765 *Paspalum nitatum*
1 *Paspalum nitatum*
1 *Paspalum nitatum*

5766 *Chloris clandestina*
1 *Chloris clandestina*
1 *Chloris clandestina*

5767 *Bidens aurea*
1 *Bidens aurea*
1 *Bidens aurea*

5768 *Brachypogon monanthus*
1 *Brachypogon monanthus*
1 *Brachypogon monanthus*

5769 *Volcania insularis*
1 *Volcania insularis*
1 *Volcania insularis*

Cardenas Aug 20

5770 *Brachyaria meziana*
1 *Brachyaria meziana*
1 *Brachyaria meziana*

5771 *Sporobolus minutiflorus*
2 *Sporobolus minutiflorus*
2 *Sporobolus minutiflorus*

5772 *Sporobolus indicus*
1 *Sporobolus indicus*
1 *Sporobolus indicus*

5773 *Paspalum inopis*
1 *Paspalum inopis*
1 *Paspalum inopis*

5773 1/2 *Paspalum plicatulum*
1 *Paspalum plicatulum*
1 *Paspalum plicatulum*

5775 *Andropogon ternstroemii*
1 *Andropogon ternstroemii*
1 *Andropogon ternstroemii*

5776 *Paspalum Humboldtianum*
1 *Paspalum Humboldtianum*
1 *Paspalum Humboldtianum*

5777 *Eragrostis plurivalva*
1 *Eragrostis plurivalva*
1 *Eragrostis plurivalva*

5778 *Paspalum nitatum*
1 *Paspalum nitatum*
1 *Paspalum nitatum*

Zampira July 2

5779 ^{*Monanthochloa littoralis*}
~~*Monanthochloa*~~
2 Mud flat - brackish

5780 ^{*Syntherisma digitata*}
~~*Syntherisma*~~ ^{*seguieri*}
2 Bushy low land

5781 ^{*Sporobolus virginicus*}
~~*Sporobolus*~~ ^{*argutus*}
1 Brackish marsh

5782 ^{*Spartina yunciformis*}
~~*Spartina*~~
2 Brackish marsh
Large clumps on
tussocks - looks like
the one at Tonpo
Beach etc.

5783 ^{*Sporobolus domingensis*}
~~*Sporobolus*~~
1 Along by track

5784 ^{*Chloris paraguayensis*}
~~*Chloris*~~
3 Along by track
A common weed
along street & by track

5785 ^{*Paspalum vaginatum*}
~~*Paspalum*~~ ^{*baguense*}
Along by track

5786 ^{*Conchocarpus*}
~~*Conchocarpus*~~ ^{*inimicus*}
1 Dry land along
track - common

5787 ^{*Eragrostis*}
~~*Eragrostis*~~ ^{*indica*}
2 Along track near
walled area
careless clump

5788 ^{*Chloris tenuispica*}
~~*Chloris*~~
1 Along street

5789 ^{*Sporobolus argutus*}
~~*Sporobolus*~~
1 Along street on
open ground

5790 ^{*Chloris ciliata*}
~~*Chloris*~~
2 Along street

5791 ^{*Eragrostis ciliaris*}
~~*Eragrostis*~~
1 In path
Along street

Cenchrus carolinianus
5792 *Cenchrus*
2 Sand dunes

Paspalum chapmanii
5793 *Paspalum*
2 Sand dunes

Eragrostis secundiflora
5794 *Eragrostis* (ag. leaf)
3 Sand dunes

Syntherisma sanguinalis
5795 *Syntherisma* Sang. fl.
2 Sand dunes
depressed

Panicum geminatum
5796 *Panicum* Paspalum
2 In water of pool
Sand dunes

Chaetochloa immanis
5797 *Chaetochloa* (cuticle)
1 Among brush in
low ground. (bush)
very yellow-orange
(not fungus?)

Chloris petraea
5798 *Edwardsia* (cuticle)
2 Among brush in
low land

Eragrostis elliottii
5799 *Eragrostis*
1 Sand dunes

Abies July 23

Bromus laevigatus
5800 *Bromus*
1 Along Ry.

Panicum obtusum
5801 *Panicum*
1 Along Ry.

Quercus July 24

Brachiaria mexicana
5802 *Brach.* Mexican
2 Edge of field.

Eragrostis mexicana
5803 *Eragrostis* (cuticle)
1 Field - a weed

Chloris virgata
5804 *Chloris*
3 Edge of field

Eriochloa punctata
5805 *Eriochloa*
2 Edge of field

5406 *Chaetochloa brevispica*
Annual - field
fruits narrow as the
heads, spikelets together
Leaves like the ones
above.

5407 *Chaetochloa brevispica*
Annual - field
fruits narrow as the
heads, spikelets together
Leaves like the ones
above.

5408 *Chaetochloa composita*
Annual - field
agaves.

5409 *Bouteloua barbata*
Annual - field

5410 *Echinochloa crusgalli*
Annual - field

5411 *Paspalum puberulum*
Annual - field

5412 *Lepach: dentari*
Field.

5413 *Panicum obtusum*
Annual - field

5414 *Sporobolus indicus*
Annual - field

5415 *Paspalum distichum*
Annual - field

5416 *Polypogon elongatus*
Annual - field

5417 *Paspalum lepidum*
Annual - field

5418 *Chloris sulcata*
Annual - field

5419 *Bromus raciniatus*
Annual - field

5420 *Echinochloa frumentacea?*
Annual - field

5821 *Chaetochloa imberbis*
4 Dry, level

5822 *Panicum decoloratum*
1 Mancipia
5712

5823 *Bulbilia dactyloides*
✓ After dry ground
Common on hills

5824 *Agrostis stolonifera*
1 Along irrigation ditch

5825 *Cenchrus candelionum*
1 Edge of field

5826 *Nassella aliena*
✓ After ground on hill

5827 *Bouteloua filiformis*
14 Rocky hill

5828 *Bouteloua filiformis*
25 *Bouteloua aristatoides*
✓ Bush (aristatoides)
Rocky hill

5829 *Poa annua*
1 Dry, level

5830 *Sporobolus minutiflorus*
1 Rocky hill

5831 *Echinochloa colona* (L.) Link
1 Dry, level in wet
Semi-arid zone

5832 $\frac{1}{2}$ *Leptochloa dubia*
1 Rocky hill - prairie
7 Growing in open ground
with *Bouteloua* (prairie)

5832 *Amelanchier* *brounii*
2 Rocky hill

5832 $\frac{1}{2}$ *Leptochloa dubia*

5833 *Bouteloua vulgaris*
1 Edge of field - volunteer
(See ground)

5834 *Andropogon saccharoides*
3 *Andropogon sacch*
Edge of field

Echinochloa crus-galli mutica

5835 *Echinochloa crus-galli*
1 Irrig. ditch

Leptochloa fascicularis

5836 *Leptochloa fascicularis*
1 Irrig. ditch in woods

Paspalum distichum

5837 *Paspalum distichum*
1 Irrig. ditch

Panicum fasciculatum

5838 *Panicum fasciculatum*
2 Park - a weed

Syntherisma sanguinalis

5839 *Syntherisma sanguinalis*
1 Park - a weed

Eragrostis megastachya

5840 *Eragrostis megastachya*
1 weed - Park

Cenchrus echinatus

5841 *Cenchrus echinatus*
Weed in Park

Andropogon perforatus

5842 *Andropogon perforatus*
1 Rocky hill

Eragrostis mexicana

5843 *Eragrostis mexicana*
3 Rocky field

Chloris elegans

5844 *Chloris elegans*
1 Rocky field

Bouteloua procumbens

5845 *Bouteloua procumbens*
0 Rocky field

Panicum hirticaule

5846 *Panicum hirticaule*
1 Rocky field - some
16 here much closing
beads

Pappophorum wrightii

5847 *Pappophorum wrightii*
1 Rocky hill

Muhlenbergia calamagrostides

5848 *Muhlenbergia calamagrostides*
1 Rocky hill among
cactuses - annual

July 25

Chenopodium purpurascens

5849 *Chenopodium purpurascens*
1 Irrig. ditch

Echinochloa furmentacea?

5850 *Echinochloa furmentacea?*
1 Irrig. ditch

5851 *Echinochloa crus-galli* mutica
1 Dry ditch

5852 *Echinochloa crus-galli* (L.) Beauv.
1 Dry ditch

5853 *Tridens axillaris*
✓ 2 Rocky hill

5854 *Tridens polystachya*
✓ 2 Rocky hill

5855 *Sporobolus argutus*
2 Along road
8 open dry ground

5856 Aristida (bunches)
Rocky hill - common
Cacti

5857 *Microchloa setacea*
✓ 2 Rocky hill

5858 *Sporobolus atrovirens*
✓ 2 Rocky hill
✓ 2

5859 *Avena fatua*
1 Edge of field

5860 *Bouteloua curtipendula*
1 Again field

5861 *Amelanchier alnifolia*
2 Dry ditch

5862 *Bouteloua procumbens*
2 Again field

5863 *Panicum obtusum*
1 Dry ditch, sunny
very rank 2-3 ft tall

5864 *Panicum decoloratum*
2 Dry ditch

5865 *Hilaria cernuoides*
2 Dry ditch in Agave
field

5866 *Echinochloa crus-galli* var. *crus-galli*
4 Dry ditch - panicum
weak & crisp leaves

modding a gleam
the specimen. This and
the next are common
along irrigation ditches
and are abundantly
distributed.

5562 *Eleusine indica* (Cenchrus)
2 Irrig. ditch. Paddy
erect, gl. panicle
spreading & stiff
at maturity

5563 *Andropogon* (near *A. racemoides*)
1 Irrig. ditch

5564 *Paspalum lepidum*
1 Irrig. ditch - rank
gravel = 5567

5565 *Hilaria comchroides*
4 Irrig. ditch, rank
gravel in lake grass
Probably = 5565

Mexico July-Aug 27
(Xochimilco)

5571 *Muhlenbergia calomagrostoides*
1 Along top of Slenavale

5572 *Pennisetum purpurascens*
2 Along R. Tule

5573 *Hordeum jubatum*
1 Along Tule

5574 *Distichlis spicata*
4 Along Tule

5575 *Distichlis spicata*
2 Will. d. above
grassy together

5576 *Sporobolus argutus*
2 Along Tule

5577 *Hordeum jubatum*
2 Along Tule

5676 *Chloris submutica*
2 Along track

5677 *Echinochloa crus-galli* *salva*
1 Ditch, along track

5680 *Sporobolus indicus*
1 Along field

5681 *Agrostis stolonifera*
1 Along ditch

5682 *Syntherisma velutina*
2 Along ditch

5683 *Chenopodium purpurascens*
1 Along ditch

5684 *Paspalum distichum*
2 Along ditch

5685 *Distichlis spicata*
3 Corn field = 5687

5686 *Polypogon elongatus*
7 Along ditch

5687 *Avena sativa*
1 Along track - volunteer

5688 *Hordeum vulgare*
1 Along track - volunteer

5689 *Milania cernuifolia*
2 Open grass pasture

5690 *Microchloa setacea*
3 Open grass pasture

5691 *Brachiaria meziana*
3 Pasture

5692 *Lectiochloa dubia*
1 Edge of field

5693 *Sphenopholis obtusata lobata*
7 Pasture

5694 *Echinochloa crus-galli* *mutica*
1 Ditch

5695 *Sporobolus indicus*
3 Pasture

5886 *Andropogon saccharoides*
Along creek
2

5887 *Eragrostis mexicana*
Mud in field
1

5888 *Agrostis (subsp.)*
Pasture
2

5889 *Muhlenbergia plumbea*
Open pasture land
st

5900 *Agrostis bougainvillei*
Along irrig. ditch
in a marshy area
Culm erect, Boer
man in low creeping
Tasobay - July 20

5901 *Eragrostis mexicana*
Edge of field
2

5902 *Andropogon furciformis*
Prairie along Ry
3

5903 *Syntherisma phaeoides*
Along Ry
2

5904 *Bouteloua curtipendula*
Boul. erumpent
Agave field

5905 *Bouteloua procumbens*
Along Ry
2

5906 *Bouteloua gracilis*
Along Ry
2

5907 *Arundo donax*
Along Ry
2

5908 *Microchloa villosa*
Along Ry
2

5909 *Tripsacum dactyloides hispidum*
Cope in alfalfa field
Large clump
6

5910 *Holcus halepensis*
Sorghum field
Field
1

5911 *Chaetochloa gussonei*
Waste place
1

5912 *Eragrostis lugens*
Edge of field
1

5513 *Bruja rotundata*
1 Edge of forest

5514 *Eriocetum degenoides*
2 Edge of forest near ditch

5515 *Agrostis subrepens*
4 Along edge of forest near
ditch. Looks much
like *Ag. purpurascens*

5516 *Panicum bulbosum*
Along stream along
large ditch. In
bunches of several inches
diam 20-50 culms.

5517 *Leptochloa dubia?*
2 Bank along a big ditch
Is this a *Leptochloa*
spec. of *Lept.* dub?

5518 *Stipa pennsylvanica*
6 Bank along big ditch

Sets.

- 5777 *Eragrostis*
5778 *Paspalum notatum*
5827 *Bouteloua bromoides*
5858 *Sporobolus*
5826 *Hypochaeris*
5848 *Muhlenbergia*
5857 *Microchloa*
5854 *Triodia*
5729 *Chaetochloa*
5751 *Cenchrus echinatus*
5752 *Brachiaria plantaginifolia*
5853 *Triodia*
5847 *Lycium*
5916 *Panicum bulbosum*
5934 *Eragrostis*
5931 *Stipa*
5930 *Brachypodium?*
5807 *Chaetochloa*
5900 *Agrostis subrepens*
5899 *Sporobolus (sacatilla)*
5828 *Bouteloua*
5960 *Stipa*
5956 *Sporobolus (minutiflorus)*
5933 *Muhlenbergia wrightii*

- 5958 *Panicum decolorans*
5955 *Paspalum*

- 5474 *Sporobolus* (buckleyi)
 5489 *Eragrostis*
 5432 *Eragrostis*
 5362 *Paspalum vaginatum*
 5454 *Panicum capillarisoides*
 5456 *P. nodatum*
 5450 *Eragrostis oxylopi*
 5463 *Leptochloa imbricata*
 5469 *Spartina pumila*
 5179 *Triodia*
 5490 *Chloris fasciculata*
 5491 *Eragrostis (tenuis)*
 5494 *Aristida*
 5495 *Triodia*
 5496 *Chloris*
 5574 *Chloris*
 5581 *Paspalum (monostachya)*
 5550 *Chloris*
 5525 *Triodia (Texana)*
 5531 *Bouteloua*
 5542 *Chaetochloa*
 5550 *Chloris*
 5538 *Paspalum (Pan. ciliata?)*
 5586 *Chloris*

- 5595 *Sporobolus wrightii*
 5579 *Orizopsis*
 5593 *Brechiaria mexicana*
 5585 *Chloris*
 5594 *Bromus*
 5611 *Pappophorum*
 5631 *Leptochloa dubia*
 5629 *Eragrostis*
 5684 *Sporobolus*
 5677 *Brija*
 5685 *Agrostis (microphylla?)*
 5687 *Aristida (humboldtiana)*
 5676 *Lycurus*
 5689 *Eragrostis (neomexicana?)*
 5684 *Polypogon*
 5780 *Paspalum (levidum)*
 5690 *Andropogon (Texan)*
 5652 *Sporobolus repens*
 5713 *Hilaria*
 5715 *Eragrostis (mexicana?)*
 5712 *Panicum (stramineum?)*
 5681 *Andropogon barbinode*
 5709 *Sporobolus (indicus)*
 5776 *Paspalum*

Sets

- 5132 *Chaetochloa* (candata?)
 5136 *Bouteloua burkei*?
 5138 *Stipa leucotricha*
 5140 *Panicum fasciculatum* Chantey
 5144 *P. filipes*
 5146 *Paspalum helleri*
 5148 *Echinochloa colona*
 5152 *Leptochloa mucronata*
 5164 *Schedonardus paniculatus*
 5168 *Aeluropogon saccharoides*
 5170 *Triodia* (allusum?)
 5280 *Eragrostis* (near major) ✓
 5322 *Paspalum lorrainiae*
 5328 *Valota* (tenuissima?)
 5329 *V. saccharatum*
 5330 *Panicum racemisetum*
 5331 *P. reverchonii*
 5332 *P. texanum*
 5333 *Chloris cucullata*
 5334 *Eragrostis euryptera*
 5335 *Panicum ciliatissimum*
 5337 *Aristida longiseta*
 5340 *A. micrantha*
 5441 *Echinochloa* (c. galle)

- 5408 *Paspalum conjugatum*
 5429 *Bouteloua prostrata*
 5327 *Paspalum lorrainiae*
 5328 *Valota* ~~l.~~
 5329 *Valota saccharata*
 5330 *Panicum racemisetum*
 5331 *P. reverchonii*
 5334 *Eragrostis euryptera*
 5335 *Panicum ciliatissimum*
 5332 *P. texanum*
 5333 *Chloris cucullata*
 5337 *Aristida longiseta*
 5340 *A. (micrantha)*
 5385 *Panicum filipes*
 5384 *Triodia*
 5409 *Eragrostis capitata*
 5343 *Sporobolus argutus*
 5355 *Schedonardus* (texanum?)
 5407 *Paspalum* (praecox)
 5403 *Eriochloa*
 5484 *Eragrostis sessiliflora*
 5483 *Eragrostis*
 5476 *Panicum firmum*
 5475 *Aristida*

Package sent

5 1-5 San Antonio

5 6-15 San Antonio

5 16-17 Monterrey

5 18-19 Saltillo

5 20-21 San Luis Potosi

5 22-23 Queretaro

5 24-25 Mexico City

5

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1910

Book 2

5919 - 6695

Mexico City - Azcapotzalco
Triticum vulgare July 29

5919 Wheat

1 Along Ry - not rare

3X
5920 *Agrostis bougainvillei* ~~Bougainvillei~~ *Agrostis*

14 ~~Along Ry~~
In water & ditch
Along Ry & Canal

5921 *Bromus propinquus*

1 Along ditch
Lower branch, reflexed

5922 *Heteromastochloa ramosissima*
Panicum (buxifolium)

2 Main & ditch
Along track

5923 *Chaetochloa acutifolia*
1 Along ditch

5924 *Eragrostis lugens*
2 In field - vulgare

5925 *Chaetochloa quinquebrachia*
1 Along track

5924 *Capriola dactylon*
along track.

5925 *Polypogon elongatus*
Along ditch - very
small. Probably
the same as the
juvenile specimen.

5927 *Agrostis bougainvillei*
5928 *Muhlenbergia squarrosa*
3 Open ground along

5929 *Poa annua*
2 Along ditch in shade

5930 *Brachypodium mexicanum*
1 See Shrub, rich soil
straggling, 4' high, bushy

5931 *Stipa quadrata*
1 Open grassy ground

5932 *Panicum bulbosum*
1 Along ditch - large specimen

5933 *Succisa phlegmaria*
1 Open ground along
ditch. Specimen

5934 *Eragrostis lugens*
Open mountain land
erect. Small bunches
perennial

Pedregal July 30
A lower zone of vegetation near
Mexico City. Chaparral is
the dominant. All plants in-
cluded in the study were growing
on the lava.

5935 *Aristida spadiosa* small

5936 *Andropogon fennellii* (small)

5937 *Aristida formidosa*

5938 *Andropogon fennellii* (small)

5939 *Brachypogon palmatus*

3 This looks a little different from
Pedregal

5939 *Epilobium barlandieri*

8 Large clumps. Not yet
in flower. The whole
inflorescence still
attached

5940 *Muhlenbergia affinis*
3 Muddy creek inflow

5941 *Panicum bulbosum*
1 Common on the lower
in the cañons. This
is a scumple. There
large loose panicle
Hairs diffuse. Capsule
from a Arizona plant

5942 *Eragrostis mexicana*
1 A prostrate specimen
in open soil.

5943 *Bouteloua procumbens*
1 Prostrate in open ground

5944 *Chaetochloa imberbis*
1 Clusters long (unbranched)
Spikes club-shaped

5945 *Tripsacum*

5946 *Agavegon canchovides*
1 No inflorescence. Prostrate
herb, with long stolon
2 x

5947 *Stipa mucronata*
2

5948 *Eleusine indica*
1 Ditch along border of
San Fernando

5949 *Promus laciniatus*
1 Lava - probably same
as the form along ditch

5950 *Hilaria canchovides*
2

5951 *Trachypogon palmeri*
1 "This looks a little different from *Pedicularis*"

5952 *Bulbilis dactyloides*
1 Along road near San Aug

5953 *Bouteloua curtipendula*
1 Bouteloua cult. field

5954 *Bouteloua filiformis*
1 Bouteloua. Brewster

5955 *Paspalum mandiocanum*
1 Paspalum
Cliff & depression
at lower rock

5-556 *Sporobolus atrociliatus*
 ✓ *Sporobolus* (nervosus)
 Open field place
 Erect in summer
 spreading in open
 places

5-557 *Bouteloua gracilis*
Bouteloua curtipendula
 Large bunches on
 lawn well

5-558 *Panicum lipidulum*
Panicum
 Diffusion or crevices
 in lawn well
 Set Perennial. Leaves
 erect or in open places
 spreading.

5-559 *Eragrostis lugens*
Eragrostis (terrestris)
 Diffusion in lawn
 Set Erect perennial

5-560 *Aristida spartea*
Aristida
 Lawn well. Panicle
 Set. Family very loose
 spreading.

Poco Park Aug

5-561 *Aegopogon cenchroides*
Bouteloua (argentea?)
 2 Shady mossy bank

5-562 *Aegopogon geminiflorus*
Brachypodium latifolium
 2 Shady mossy bank

5-563 *Microchloa setacea*
Microchloa
 2 Open place in pine
 woods.

5-564 *Bromus lasinervis*
Bromus
 1 Along stream

5-565 *Stipa missillanata*
Aegopogon
 2 Bank in woods

5-566 *Trisetum degenkoides*
Trisetum
 2 In damp
 moist soil

5-567 *Brachypodium mexicanum*
Brachypodium
 1 Shady bank.

5-568 *Briza rotundata*
Briza
 1 Edge of woods

Festuca miquelii
5569 *Festuca*
2 Edge of woods

Sesale concolor
5570 *Ayale*
1 From field at Tenango

Disticta schizocoma
5571 *Disticta*
4 Edge of woods

Hordeum vulgare
5572 *Hordeum*
1 Volunteer in field
" 1/2 *Bromus*

Stipa macrantha
5573 *Argemone*
✓ Edge of woods = 5574

Disticta gracilis
5574 *Disticta*
✓ mossy bank in woods

Hordeum vulgare
5575 *Hordeum*
1 Mr. Popocatepetl
Aug 5 9000

Aegopogon cerichroides
5576 *Aegopogon*
1 Bank of deep cut

Brachypodium mexicanum
5577 *Brachypodium*
1 Bank of deep cut

Agrostis schizocoma
5578 *Agrostis*
1 Bank of deep cut

Festuca amplissima
5579 *Festuca*
Large bunches or tufts
Common on rocks 6 ft high
Low branches of small saplings
where common - Common
9000 - Open woods.

Cinna poaeformis (HBK.)
5580 *Cinna*
1 Branches or tufts
of about a foot high
Light green
3-5 ft high. Open woods
9000 -

Muhlenbergia gracilis
5581 *Muhlenbergia*
✓ Lux. small bunches
overhanging a steep
hill side in open woods
9000 ft

5986 *Poa conglomerata*
set along road, with some
plants in woods -
2000 -

5987 *Calamagrostis toluensis*

5988 *Strophopogon altijugum*

5989 *Agrostis exaristata*

2 Wet place 10000 ft
along trail

5990 *Festuca villosa noviana*

Open woods in valley
10000 ft

5991 *Bromus exaltatus*

Open woods in valley
10000 ft

Ind. Popocatepetl

Aug 6 10000 - 13000

5992 *Festuca viridis*

Black sand barrens
at higher elevation
13000 ft. below snow
line. Round tufts
up to 6 in. rooting
not seen below timber
line.

5987 *Trisetum spicatum*
In woods in same locality
as 5986. Glaucesc. cap.
Bunches up to 8 in.

5988 *Poa* *undat.*

2 At timber line road

5989 *Stipa monstrosa*

10 Along road in open
place along trail - probably

5990 *Agrostis schiedana*

1 Open place about
12000 ft. (Hood river but
not it)

5991 *Agrostis toluensis*

7 On steep bank with
Dorchemia & other
only one bunch seen.

5992 *Poa annua*

2 Barren in open place
in woods up to snow
timber line.

5993 *Bromus exaltatus*
Woods - 11000 ft
Thompson & Son - 5555

5994 *Bromus exaltatus*
Open place - 11000 ft
or near by - 11000 ft

5995 *Calamagrostis*? (B. S. P.)
Woods - 11000 ft

5996 *Trisetum spicatum*
Woods - 11000 ft = 5555?

5997 *Eragrostis altijugum*
Woods - 11000 ft

5998 *Poa conglomerata*
Open place - 11000 ft
P. S. P. - 5555

5999 *Festuca willdenoviana*
Woods - 9000 - 11000 ft

6000 *Calamagrostis tuberculosa*
Open hillsides
12000 - 11000 ft
Large bunches - forming
tussocks. The densest
growth of bunches here &
down. At alpine region
forming fairy rings. Exceeds
10 ft high & very often green.

6001 *Festuca tuberculosa*
Festuca
Abundant on open
ground about 10000 ft.
Large bunches or tussocks.

6002 *Eragrostis stricta* (W. S. P.)
Open place on side
of mountain. Abundant
in large tussocks - a
plant like. Shrubs
interfered. The seeds
fall in bunches and gray
but in flower the green
tallies even in early
season. - 9000 ft, or 10000

Trisetum gracile
6003 Deschampsia
1 Mossy bank, Caden
Spreading

6004 *Poa*
2 Among bunches of 6003
9nd

6005 *Trisetum gracile*
Deschampsia - Trisetum
1 Woods - mossy bank
Spreading

6006 *Agrostis tolucensis*
1 Agrostis
Along trail in
ditch

6007 *Brachypodium mexicanum*
2 Shady bank
Semi-erect - branching
Culms several feet tall
Dwarfing, clumped
a bush, - Panicle much
with spike (3) long
bushy culms - erect
perennial - as next

6008 *Brachypodium mexicanum*
1 Brachypodium

Trisetum spicatum
6009 Trisetum
Open places -
woods at 9-1000 ft
in hot moist

6010 *Epicampes stricta* (Wright)
1 Epicampes
Woods at about 9000 ft

6011 *Bromus exaltatus*
Bromus
Open woods - many
other specimens seen
growing in bunches of
Epicampes where
prohibited from grazing

6012 *Festuca willdenowiana*
Festuca
Open places in woods
10000-12000 ft

6013 *Brachypodium altijugum*
12 Brachypodium
Open woods 10000-12000

6014 *Stipa minor*
3 Stipa
Open woods - per
Papo Park Aug 8
7600 ft

6015 *Sporobolus indicus*
1 Open woods

6016 *Chaetochloa amabilis*
1 Open ground

6017 *Lycurus behrii*
1 Open ground

6018 *Andropogon lewisii* Four
1 Edge of woods

6019 *Stipa mucronata*
1 Open woods

6020 *Eragrostis lugens*
1 Open ground

6021 *Microchloa setacea*
1 Open ground

6022 *Solanum multiflorum*
1 Along road - Es-
caped?

6023 *Eragrostis muhlenbergii*
1 Open woods

6024 *Cenchrus cenchroides*
(This may be gracilis)
1 Open - shrubby (clump)
woods, on bank

6025 *Cenchrus badius*
1 This species forms
long runners

6026 *Cenchrus corymbosus*
1 Open ground

6027 *Thesiuca myosuroides*
1 Open ground

6028 *Eragrostis limicola*
1 Open ground

6029 *Aristida divaricata*
1 Open ground

6030 *Aristida divaricata*
2 specimens growing in
open ground - may be
same clump. Perhaps
fuchs

6031 *Aristida divaricata*
1 Open ground

6032 *Aristida divaricata*
1 Open ground

Lehuacain Aug 8
5300 ft

6030 Cerdus
Alfalfa field

6031 *Eragrostis limbatata*
Alfalfa field

6032 *Sporobolus* (near *angustatus*)
Spreading - prostrate
in meadow

6033 *Chloris virgata*
Alfalfa field

6034 *Leptochloa dubia*
Alfalfa field

6035 *Pennisetum myosuroides*
Alfalfa field, large
bush, common

6036 *Pringleochloa stolonifera*
Low bushy prostrate
glorious along stream

Alfalfa field.

6037 *Dactyloctenium aegyptium*
Alfalfa field

6038 *Muhlenbergia calamagrostoides*
Alfalfa field, in
large bushy clump - Several
annual

6039 *Polygonum heterophyllum*
Along ditch

6040 *Agrostis reticulata*
Along ditch

6041 *Dactyloctenium aegyptium*
Along ditch

6042 *Chaetochloa imberbis*
Along ditch

6043 *Bromus laciniatus*
Along ditch

6084 *Paspalum distichum*
Along ditch

6085 *Cenchrus carolinianus*
Along Ry.

6086 *Distichlis spicata*
Along Ry. from
runway Blackberry on
glauk

6087 *Chaetochloa composita*
Along ditch

6088 *Leptochloa dubia*
Along Ry. 2
glauk form

6088 1/2 *Aristida bromoides*

6089 *Poa annua*
Along ditch

6090 *Panicum fasciculatum carthagenum*
Mud along ditch

6091 *Triticum vulgare*
Escaped or volunteer

6052 *Echinochloa colona (L.) Link*
Along ditch

6053 *Avena fatua*
Along ditch

6054 *Chaetochloa brevispica*
Mud of ditch

6055 *Eragrostis mexicana*
Along Ry.

6056 *Chloris submutica*
Along Ry.

6057 *Panicum decoloratum*
Mud of ditch by Ry.

6058 *Eragrostis plumbea*
Along Ry.

6059 *Paspalum pubiflorum*
Along Ry. ditch

6060 *Panicum obtusum*
Along Ry. ditch

6061 *Echinochloa crus-galli* mutica
✓ 1 Along by ditch & ch
clear land from

6062 *Andropogon barbinodis*
✓ 2 Along by bank

6063 *Panicum lepidostachyon*
✓ 20 Mound of 1/2 bush

6064 *Chaetochloa brevispica*
✓ 5 Mound - field common
✓ 5 Annual - Sp. in shade

6065 *Eleusine indica*
✓ 1 Mound in field

6066 *Paspalum distichum*
✓ 2 Mound along ditch

6067 *Sporobolus argutus*
✓ 2 Hard ground along road
✓ 2 Perennial

6068 *Chaetochloa composita*
✓ 1 Mound land & river
6068 1/2 *Cenchrus carolinianus*

6069 *Brachystachya megastachya*
✓ 2 Mound land field

6070 *Pappophorum*
✓ 1 Mound, weedy
✓ 1 Sherb. & water soil
Pappophorum wrightii

6071 *Brachystachya stolonifera*
✓ 1 = 6038
✓ 1 On open hard cactus soil
This is common in open
dry land.

6072 *Catantopium stolonifera*
✓ 1 Mound, weedy
✓ 1 In dry soil

6073 *Chloris elegans*
✓ 1 Mound, weedy
✓ 1 Mound land field

6074 *Triglochin juncea*
✓ 1 Mound (cactus soil)
✓ 1 Cactus soil

6075 *Aristida bromoides*
✓ 1 Mound, edge of field
✓ 1 In dry ditch

6076 *Cenchrus echinatus*
✓ 1 Mound, weedy
✓ 1 Mound land field

6077 *Bouteloua barbata*
Open dry ground

6078 *Anthephora colamagrostidis*
1 Among rocks

6079 *Stipa flexuosa*
✓ In Cañon, soil
of among rocks

6080 *Sporobolus utrovirens*
1 Flat place on Cañon
hill

6081 *Microchloa setacea*
2 Flat place on Cañon
hill

6082 *Bouteloua filiformis*
Barrel brush
Flat place on
Cañon hill

6083 *Bouteloua curtipendula*
Barrel brush
Cañon hill

6084 *Chaetochloa brevispica*
1 same

6085 *Arctostaphylos*
2 Cañon hill

6085 *Sporobolus indicus*
1 Edge of field

6086 *Eragrostis mexicana*
1 River bottom

6087 *Bouteloua curtipendula*
Barrel brush
Rocky cañon hill
Ext. large specimen

6088 *Bouteloua filiformis*
Barrel brush
Cañon hill

6089 *Eragrostis limbata*
3 Edge of field
Cañon hill

6090 *Valota pacchiaroti*
1 Valota gracilis
Cañon hill

6091 *Valota undulata*
2 Valota undulata
Cañon hill

6092 *Heteropogon contortus*
✓ Set
Cañon hill
Set erect bushes

6093 *Aristida scabra*
Dried grasses, bunches
Panicum at base, narrow
Set pale spreading, Cactus
hill.

6094 *Aristida scabra*
Cactus hill
Dried bunches - large
than preceding, spikes
more slender & shorter
Set panicum lower, fewer
flowers, the lower
bracts reflexed. Do I
do same as 6093?

6095 *Chaetochloa gracilior*
Set Annual, Cactus hill

Oaxaca Aug 12
6096 *Heliconia caribaea*
Climbing on sterile hill

6097 *Opizia stolonifera*
New Puffball, grass
Growth of form - 2nd

6098 *Paspalum monostachyum*
Panicum, dry & deformed
specimen of the next

6099 *Paspalum monostachyum*
Along hill, a
brown.

6100 *Aristida scabra*
Low, dry & sterile
Rocky hill among cactus

6100 1/2 *Aristida bromoides*
6101 *Bouteloua filiformis*
Rocky hill
The slender specimen
in the shade

6102 *Heteropogon contortus*
Rocky hill

6103 *Bouteloua chondrostachya*
Rocky hill - growing
near B. bromoides

6/65 *Syntherisma filiformis*
✓
Reedy bank
Along stream

6/65 *Chenopodium*
✓
Common along
hedge

6/66 *Arundo donax*
1
Pond along road

6/67 *Chloris*
3
Along hedge

6/68 *Eriochloa*
2
Along hedge

6/69 *Paspalum notatum*
2
Open ground along
road

6/70 *Chloris virgata*
1
Along stream

6/71 *Syntherisma sanguinalis*
1
Along hedge

6/72 *Eragrostis limbat*
3
Along stream common

6/73 *Eragrostis pilosa*
✓
Along hedge

6/74 *Microchloa setacea*
✓
Reedy bank

6/75 *Panicum fasciculatum carthagenense*
1
Along track near
Iguazu Falls

6/76 *Bouteloua barbata*
1
Along track near
Iguazu Falls

6/77 *Dactyloctenium aegyptium*
1
Weed in flower pot
at hotel

6/78 *Chenopodium mexicanum*
1
Weed in flower pot
at hotel

6/79 *Valeriana*
2
Along Ry.

6/20 *Cathartus erectum*
Rocky hill

6/21 *Eragrostis pilosa*
Along Ry track

6/22 *Brachiaria plantaginea*
Ment in field

6/23 *Eragrostis megastachya*
Went in field

6/24 *Mazus aliena*
Wet along track

6/25 *Echinochloa colona* (2) sim
Edge of water in det

6/26 *Eragrostis limbata*
Along Ry

6/27 *Cenchrus echinatus*
Sandy soil along Ry

6/28 *Cenchrus ciliaris* (Carolin)
Sandy soil along Ry

6/29 *Chloris virgata*
Open ground along Ry

6/30 *Paspalum buckleyanum*
Open ground along Ry

6/31 *Cenchrus myosuroides*
Along ditch

6/32 *Andropogon fernandoi*
Rocky hill

6/33 *Paspalum humboldtianum*
Rocky hill

6/34 *Andropogon saccharoides*
Rocky hill

6/35 *Bouteloua hirticulmis*
Rocky hill

6/36 *Bouteloua radicans*
Rocky hill, Brown

6/37 *B. brevifolia* etc.

6137 *Aristida scalaris*
Rocky hill - tree

6138 *Aristida inermis*
Rocky hill -
Acacia.

6139 *Aristida sp.*
Rocky hill

6140 *Andropogon furcatus*
Rocky hill

6141 *Spicampes ligulata*
Rocky hill

6142 *Aristida sp.*
Rocky hill

6143 *Panicum sp.*
Rocky hill

6144 *Paspalum unguiculatum*
Rocky hill

6145 *Sporobolus sp.*
Rocky hill

6146 *Bouteloua (Bouteloua)*
Rocky hill

6147 *Bouteloua inermis*
Rocky hill

6148 *Bouteloua curtipendula*
Rocky hill

6149 *Muhlenbergia affinis*
Rocky hill - large bushes

6150 *Bouteloua chondrosperma*
Rocky hill - ~~tree~~

6150 1/2 *Bouteloua filiformis*
6151 *Aristida sp.*
Rocky hill

6152 *Paspalum ligulatum*
Low ground near river.

6153 *Paspalum ligulatum*
Along small stream.

6154 *Spicampes bougainvillei*
Rocky hill

6155 *Aristida divaricata*
2 Rocky hill. Panicle
loose & divaricate
Culms erect

6156 *Chenopodium*
2 Depressed in rocky
hill.

6157 *Chenopodium*
1 Rocky hill

6158 *Heteropogon contortus*
6 Rocky hill - bush
very bristly

6159 *Muhlenbergia calamagrostis*
2 Cliff in rocky cliff

6160 *Trypacum dactyloides*
3 Rocky cliff

6161 *Aristida canina*
2 Rocky hill. Culm
erect. Panicle
& branches long & spreading

6162 *Sporobolus jacquemontii*
1 Along road.

6163 *Eleusine indica*
1 Along street.

6164 *Catostemum multifidum*
1 Rocky hill.

6165 *Aristida blanda*
1 Edge of field.

6166 *Sporobolus obtusata*
2 Along ditch

6167 *Andropogon saccharoides*
1 Along track

6168 *Paspalum distichum*
2 In rock & ditch

6169 *Eriochloa punctata*
1 Along ditch

6170 *Chloris virgata*
along ditch

6171 *Sporobolus indicus*
along ditch

6172 *Leptochloa dubia*
Edge of field

6173 *Paspalum distichum*
along ditch

6174 *Homalocenchrus haydenii*
along ditch

6175 *Echinochloa crusgalli* var.
along ditch

6176 *Chaetochloa imberbis*
along ditch

6177 *Paspalum buckleyanum*
along ditch

6178 *Chaetochloa grisebachii*
along ditch

179 *Polygogon elongatus*
along ditch

180 *Aquilegia scopulorum*
along ditch

6181 *Echinochloa crusgalli*
along ditch - spikes
matured

6182 *Paspalum ciliiferum*
along ditch. Varies
much in height 2-5 ft

6183 *Valota imbricata*
along ditch.
Erect 4-5 ft high.
long in a form of 8.5 ang.

6184 *Chaetochloa grisebachii*
along ditch, in sand

6185 *Paspalum paniculatum*
= 6182
along ditch

6186 *Leptochloa dubia*
along ditch

6/67 *Pennisetum purpurascens*
Along ditch
3

6/68 *Paspalum pubiflorum*
Along ditch
1

6/69 *Paspalum buckleyanum*
Along ditch
1

6/90 *Paspalum buckleyanum*
Along ditch = 6/89
2

Zonellus - Aug. 1/92
6/91 *Chaetochloa liebmannii*
Side of cut along
2

6/92 *Panicum arizonicum*
Along side of
cut - fragrant
3

6/93 *Heteropogon contortus*
Along
1
Rocky bank

6/94 *Aristida bromoides*
Rocky bank
8/94

6/95 *Panicum fasciculatum* v. *carolinense*
Rocky bank, - the lower
part of form common
in some grassy places
in which panicum form
all spread the branches
at an angle

6/97 *Pappophorum vaginoides*
Rocky bank near river
fruit - small ellips.

6/98 *Cenchrus setaceus*
Rocky bank by river

6/96 *Eragrostis caudata*
Rocky bank

6/95 *Cenchrus myosuroides*
Along side
Rocky bank by river

6/200 *Bouteloua curtipendula*
Rocky bank

6/201 *Cottia pappophoroides*
Rocky cliff

6202 *Chloropis pluriflorus*
✓ Rocky Soil Mc...
Large clump 4-12 inches
↓ next

6203 *Arundo donax*
✓ Only 1st

6204 *Amorpha canescens*
✓ Rocky soil

6205 *Panicum molle*
✓ Rocky soil

6206 *Syntherisma sanguinalis*
✓ Along ditch

6207 *Leptochloa filiformis*
✓ (var. perfoliata)
✓ Rocky soil. All
quadrants below
this to large form

6208 *Paspalum lepidum*
✓ Along ditch.

6209 *Paspalum Schaffneri*
✓ Along ditch

6210 *Chaetochloa imberbis*
✓ Along ditch

6211 *Panicum arizonicum*
✓ Rocky soil.

6212 *Panicum hirtellum*
✓ Weed in cornfield
near bottom level.
Annual earlier, now
dying, ascending from
a prostrate or spreading
base. In apparent self-
renewal the panicles
are red-brown.
Is this same
Summer specimens?

6213 *Eragrostis mexicana*
✓ In cornfield

6214 *Panicum fasciculatum*
✓ Low weeds

6215 *Eragrostis pectinacea*
✓ Along track

6216 *Najas aliena*
Rogers
Rocky bank

6217 *Cenchrus pectinatus*
3
Along track

6218 *Cenchrus carolinianus*
2
Along R. track

6219 *Quintida gracilis*
2
Along track on
Rocks

6220 *Chloris ciliata*
2
Along R. track

6221 *Valota missillan*
1
Along R. track

6222 *Paspalum conjugatum*
2
Low woods

6223 *Chaetochloa arbutus*
1
Along ditch
Chaetochloa imberbis

6224 *Eriochloa polystachya*?
Low woods along
ditch

6225 *Paspalum distichum*
3
Along ditch

6226 *Chloris elongata*
3
(orchid?)
Along ditch

6227 *Panicum barbinode*
1
Along ditch & near
bottom land

6228 *Echinochloa colona* (L.) Link
1
Woods in corn field

6229 *Panicum molle* (L.) Link
1
Low woods

6230 *Brachiaria distachya*
1
Along ditch

6231 *Panicum repens*
1
Along ditch

6232 *Eragrostis megastachya*
per. *megastachya*
Along Ry track

6233 *Pectylosterium aegyptium*
Along ditch

6234 *Eleusine indica*
Along ditch

6235 *Bouteloua barbinata*
Bowl. *barbinata*
Along ditch, common

6236 *Sporobolus vaginatus*
Along Ry track

6237 *Capriola doctylon*
Along Ry track

6238 *Cathestium stoloniferum*
Along ditch, common

6239 *Epigia stolonifera*
Open ground along track

6240 *Bouteloua aristata*
Bowl. *aristata*
Along Ry track

6241 *Chaetochloa macrostachya*
Along ditch

6242 *Setaria purpurascens* (Horn)
Along ditch

6243 *Eragrostis megastachya*
Along ditch

6244 *Setaria purpurascens*
Along ditch, common

6245 *Paspalum notatum*
Along ditch

6246 *Chloris elegans*
Along ditch

6247 *Conchocarpus acuminatus*
Along ditch, common

6248 *Panicum hirtellum*
Along ditch, common

6249 *Panicum hirtellum*
Along ditch, common

Genchura caroliniana
6249 *Genchura*
1 Along trail

9000-14000 ft
Mt. Chingbo, Aug
Near water line
6250 *Bromus exaltatus*
1 Near snow line
13000 feet - soil from
quarry, with the

6251 *Poa conglomerata*
2 Near snow line

6252 *Trisetum spicatum*
1 Bare hill, 13000

6253 *Calamagrostis schiedean*
5 *D. championii*
Bare hill, 13000 ft

6254 *Poa*
3 Sparse, 13000 ft
Infrequent among
brush of *D. championii*

6255 *Festuca hephestophila*
Small tufts, 3-10 in
across, in brush, 13000
among *D. championii*

6256 *Festuca rubromaculata*
Bunches or tufts in
holes in open pine
woods, 13000

Aug 18
6257 *Festuca livida* (W.B.K.) Willd.
Common below snow
line & above brush,
Bunches. Seen 5 on Popo

6258 *Trisetum spicatum*
Bunches below
under snow line

6259 *Eriogonum viviparum* (Kunth)
Common at the
middle strata
of the mountain
8-10000 ft. Long buds
Parts used for brush
Lar. *g. maculosa*, *g. populi*

6260 *Festuca hephestophila*
Festuca
Bunches, 8-10 ft
Ground 1/3000

6261 *Trisetum spicatum*
Trisetum
At about 13000 ft

6262 *Agrostis subcapitata*
Agrostis
Open woods 8000 ft
Bunches, 8-10 ft
Color then much
for a bunches

6263 *Festuca amplissima*
Festuca
Large bunches at
8-9000 ft - same as
Cape.

6264 *Bromus exaltatus*
Bromus
Open woods, 8000 ft

6265 *Calamagrostis crispata*
Calamagrostis
Open woods
9000 ft

6266 *Stipa mucronata*
Stipa
Open woods 8000 ft

6267 *Festuca tuberosa*
Festuca
Large bunches, 9-11 ft

6268 *Cholchicamula* ¹⁹
Sporobolus ^{9000 ft}
Dry ground along track
Deep root stock.

6269 *Bromus raciniatus*
Bromus
In bunches of weeds
along track (where it
can not be reached by
stock)

6270 *Scleropogon brevifolius*
Scleropogon
Dry ground along R.
Jungles - close to
D. 1000 ft, 8000 ft

6271 *Bouteloua gracilis*
Bouteloua
Rich hill - has
glut root stock.

6272 *Bouteloua racinioides*
Bouteloua
Rich hill -

6273 *Aristida schiedeana*
Aristida
Bush, wet - rocky
set Swampland fringe path

6274 *Stipa glauca*
Stipa
Bush, hill among
set clumps

6275 *Stipa setacea*
Stipa
Along ravine at base
set of hill, bushes white

6276 *Muhlenbergia frutescens*
Eriocaulon
set Rocky hill - Large
mounds

6277 *Bromus porteri-anon*
Bromus
set Ravine in rocky hill
wet clumps - Pan. road

6278 *Chloris setacea*
Chloris
set Rocky hill

6279 *Deschampsia pruriens*
Deschampsia
3 Rocky hill

6280 *Poa annua*
Poa
1 Dwarf - along road
Eragrostis mexicana
set In path

6281 *Eragrostis tincta*
Eragrostis
1 Dwarf in open dry ground

6283 *Lysurus phillipsii*
Lysurus
2 Puffballer, rough
Rocky hill

6284 *Brachypodium multiflorum*
Brachypodium
2 Rocky hill

6285 *Trisetum degenoides*
Trisetum
1 Rocky hill

6286 *Muhlenbergia*
Muhlenbergia
2 Rocky hill in depression
Annual

6287 *Bromus exaltatus*
Bromus
1 Along ditch in field

6288 *Bouteloua pumila*
Bouteloua
3 Along ditch in field

6289 *Aristida ~~hispida~~ ^{divaricata}*
✓ *Muhlenbergia*
Along ditch in field
Prostrate bunches

6290 *Bromus ^{exaltatus}*
✓ *Bromus*
Along edge of road
Spreading or a little
Prostrate

6291 *Paspalum ^{distichum}*
✓ *Paspalum*
Along ditch

6292 *Poa ^{arvensis}*
✓ *Poa*
Field

6293 *Eragrostis ^{limbata}*
✓ *Eragrostis*
Common weed along
road. Small form
of open ground

6294 *Eragrostis ^{limbata}*
✓ *Eragrostis*
= 6293, Larger
form - common weed
in fields

6295 *Eragrostis ^{mexicana}*
✓ *Eragrostis*
Common weed in field

6296 *Eragrostis ^{mexicana}*
✓ *Eragrostis*
Common weed in field

6297 *Muhlenbergia ^{floridana}*
✓ *Muhlenbergia*
Rocky hill

6298 *Muhlenbergia ^{floridana}*
✓ *Muhlenbergia*
Rocky hill

6299 *Aristida ^{ochidroma}*
✓ *Aristida*
Rocky hill

300 *Muhlenbergia ^{berlandieri}*
✓ *Muhlenbergia*
Rocky hill

6301 *Muhlenbergia ^{berlandieri}*
✓ *Muhlenbergia*
Rocky hill

302 Boulder
Rocky hill

6303 *Aristida ^{divaricata}*
✓ *Aristida*
Rocky hill = 6289

6304 *Muhlenbergia microspora*
dry grassy, 1/2 m. sp.

6305 *Chloris acutiuscula*
along Ry track

6306 *Agropyron tenerum*
a single culm in a
grassy patch of grass
along Ry.

6307 *Bouteloua procumbens*
along Ry.

6308 *Sporobolus scirpoides*
along Ry.

6309 *Eragrostis limbata*
along Ry. Preserved
same as the common
weed in fields

Arizaba Aug 23 4000 ft

6310 *Eleusine indica*
weeds in street

6311 *Eragrostis limbata*
weeds in street

— Aug 24
Village of Rio Blanco
a short distance west of bridge
in field, along a ditch
along road

6312 *Paspalum vaginatum*
Pasp. vaginatum

6313 *Paspalum lepidum*
Pasp. lepidum

6314 *Paspalum distachyon*
Pasp. distachyon

6315 *Brachiaria plantaginifolia*
Brach. plantaginifolia

6316 *Elymus brachystachys*
Elymus

6317 *Holcus halapensis*
Sorghum halapense

6318 *Paspalum conjugatum*
Pasp. conjugatum

6315 *Sporobolus indicus*
Chorizandra purpurascens
6320 *Chorizandra purpurascens*

6321 *Syntherisma sanguinalis*
2 *Syntherisma sanguinalis*

6322 *Paspalum nutans*
2 *Paspalum nutans*

6323 *Paspalum schaffneri*
4 *Paspalum schaffneri*
Blumea crumpea
Cruciantha crumpea

6324 *Eriochloa polystachya*
2 *Eriochloa polystachya*

6325 *Echinochloa colona* (L.) Link
2 *Echinochloa colona* (L.) Link

6326 *Echinochloa crus-galli* Nutt
2 *Echinochloa crus-galli* Nutt

6327 *Echinochloa crus-galli* Nutt
2 *Echinochloa crus-galli* Nutt

6328 *Paspalum schaffneri*
3 *Paspalum schaffneri*

6329 *Eragrostis limbrata*
1 *Eragrostis limbrata*

6330 *Chaetium bromoides* (Presl) Benth
2 *Chaetium bromoides* (Presl) Benth
Chaetium bromoides (Presl) Benth

6331 *Trisetum degenhoides*
1 *Trisetum degenhoides*

6332 *Bromus laciniatus*
1 *Bromus laciniatus*

6333 *Eragrostis limbrata*
1 *Eragrostis limbrata*

6334 *Andropogon saccharoides*
2 *Andropogon saccharoides*

6335 *Agrostis setacea*
1 *Agrostis setacea*

6336 *Chloris virgata*
1 *Chloris virgata*

6337 *Eragrostis lugens*
1 *Eragrostis lugens*

6338 *Eragrostis lugens*
1 *Eragrostis lugens*

6339 *Cenchrus ciliaris*
1 *Cenchrus ciliaris*

6340 *Sporobolus indicus*
1 *Sporobolus indicus*
Sporobolus indicus

6341 *Eriochloa polystachya*
1 *Eriochloa polystachya* = 6324

6342 *Andropogon glomeratus*
1 *Andropogon glomeratus*

6343 *Pennisetum purpurascens*
1 *Pennisetum purpurascens*

6387 *Echinochloa crusgalli* ^{salubris}
Echinochloa (Cen.)
Panicum by one side

6388 *Sporobolus indicus*
Sporobolus indicus

6389 *Paspalum paniculatum*
Paspalum

6390 *Paspalum conjugatum*
Paspalum

On rocky hill west
of Leigon, near road
occasional elsewhere

6391 *Epicampea longipes*
Andropogon

6392 *Chaetochloa lanuginosa*
Chaetochloa

6393 *Syntherisma villosa*
Syntherisma
Perennial

6394 *Trisetum deyeuxianoides*
Trisetum

6395 *Sorghastrum linnaeanum*
Sorghastrum

6396 *Asteria cernuoides*
Asteria

6397 *Andropogon caryocarpus* ^{tenax}
Andropogon

6398 *Paspalum humboldtianum*
Paspalum

6399 *Pennisetum americanum*
Pennisetum

6400 *Brachiaria ciliata*
Brachiaria

6401 *Paspalum pilosotum*
Paspalum

6402 *Andropogon saccharoides*
Andropogon

6403 *Eleusine indica*
Eleusine
Common on the grassy hill
in open ground.

6404 *Andropogon furcatus* ^{form.}
Andropogon
Glauces form

6405 *Brachiaria mexicana*
Brachiaria

6406 *Panicum ghiesbreghtii*
Panicum
In tall grass, per-
ennial, culms rather
weak & ascending.

6407 *Panicum virgatum*
Panicum
Erect, in large clumps.

2 can find some small
stems, & the panicle, or
acuminate, dense
bracts, in a dense mass
when they are stiff
& ascending. Some
at 5 P. by a tree.

6365 *Chaetochloa imberbis*
1

6366 *Andropogon glomeratus*
1

6367 *Eragrostis lugens*
1

6368 *Brija notandata*
2

6369 *Andropogon barbinodis*
1

6370 *Chaetochloa imberbis*
1

6371 *Paspalum plicatulum*
1

6372 *Panicum virgultorum*
at the base of rocks
in tall neglected
stunt rural fields

Andropogon glomeratus
bracts, ascending among
grass & tall weeds.
Branching, as much as
1 ft. high.

373 *Andropogon paniculatus*
2

6374 *Paspalum paniculata*
2

6375 *Heteropogon contortus*
1

6376 *Andropogon glomeratus*
1

6377 *Paspalum* (indet. c. f.
P. dilatatum paniculata)
2

6378 ~~*(Panicum) paniculatum*~~ *glandiflorum*
Hemilachnium ligularis
2

6379 *Bianthura biennis*
1

6380 *Chaetochloa mexicana*
Phylosp. Cuscuta

6381 *Andropogon tenuis*
Leaves firm and soft
sp. in grass & weeds
seen in 6354

Aug 25
In same rocky hill - 28"
but higher up, more nearly
top

6382 *Panicum* ^{*H. ligularis*}
In woods, erect
anthers, rich brown
Set Black, flat, but soon
rolled after gathering
Panicum erectum
long branches drooping

6383 *Panicum* ^{*H. schmidtii*}
Shady woods in rich
loam at base of rock
cliff. Culms creeping
erect at nodes
growing very erect or
ascending, blades above
a foot high. In the
capitulum of *C. phaeum*
Abundant in places
Blades in one plane
to end of culm curved
over. - Perennial
blades dried above

Panicum bulbosum
6384 *Panicum bulbosum*
On open grassy side of
hill. - Panicle flower.

Panicum procerum
6385 *Panicum procerum*
Culms erect, succulent
Aristed - 1-4 from one node
As much as 6 ft high (-8 ft)
Panicum at first narrow
like brown cone, later
becoming very large
& diffused, as much as
3 ft long & 2 ft wide
Culms hollow. open
woods hill top, among brush

Panicum viscidellum
6386 *Panicum viscidellum*
In an old field - abun-
dant, but only seen in
old fields as a weed,
on top of the hill.
In habit like *P. ser-*
iceum. Many culms,
scarcely from a prostrate
base. Old root very
indicative of former small

6387 *Paspalum squamatum*
Shady rich loam

6388 *Agrostis peruviana*
In old field

6389 *Lasiacis rupestris*
Growing in clump of
20-40, leafy tree or
climbing shrub trees
10-15 ft high. When
growing in the open.
The habit is like that
of some clump of bushes
at woods, or at edge of woods.
More or less pubescent, the
young shoots very hairy.
In shade, rich loam
near top of hill (1000 ft
above Arizaba).

6390 *Andropogon barbinodis*
Andropogon

6391 *Panicum giesbreghtii*
to 6363. Same place
same name.

6392 *Panicum multirameum*
A weed in old field
along with P. viscidellum

6393 *Lasiacis liebmanna*
Woods - High clum-
bering, shrub to
somewhat glaucous
branches, somewhat
climber at woods.
Much longer than
6389. Leaves different
from that species.

6394 *Panicum sphaerocarpon*
In full along
with 6392 & 6388

Cordoba Aug 26
2700 ft

6395 *Chaetochloa mexicana*
1 Phyll. Crs andr.
Along river bank

6396 *Chaetochloa granularis*
1 Hoefl. p. n. w.
Mud along bank

6397 *Paspalum paniculatum*
2 Along river bank

6398 *Chaetochloa imbricata*
1 Chew. mud
Mud along bank

6399 *Eragrostis mexicana*
1 Eragrostis
Mud along bank

6400 *Paspalum distichum*
1 Pasp. dist.
Mud along bank

6401 *Sporobolus indicus*
1 Sporobolus
Mud along bank

6402 *Eragrostis mexicana*
✓ Eragrostis
Mud along bank

6403 *Eragrostis mexicana*
Eragrostis
Mud

6404 *Eleusine indica*
Eleusine
Mud

6405 *Brachiaria plantaginifolia*
Brachiaria
Mud

6406 *Eriochloa polystachya?*
Eriochloa
Mud

6407 *Paspalum conjugatum*
Pasp. conj.
Mud

6408 *Syntherisma sanguinalis*
Synth. Sangu.
Mud

6409 *Paspalum plicatulum*
Pasp.
Clay cut

6410 *Panicum maximum*
Panicum
Mud along river bank

6411 *Paspalum schaffneri*
Pasp.
Clay cut

0412 *Andropogon paniculatus*
Clay cut.

0413 *Paspalum virgatum*
Clay cut.

0414 *Paspalum plicatulum*
Clay cut

0415 *Ustilago violacea*
Mud

0416 *Paspalum ciliatulum*
Clay cut

0417 *Paspalum ciliatulum*
Clay cut

0418 *Panicum glaberrimum*
Clay cut.

0419 *Andropogon glomeratus*
Clay bank.

0420 *Arundinella patens*
Clay bank

0421 *Panicum laxum*
Along by cut.

0422 *Panicum procerrimum*
Open sandy soil
in clump.
Not common. Form a
thick rosette from
which the culms spring
7 or 8 in. long the top

of the culm taken
not pubescent on
both sides, also
glabrous, excavated
area, clay soil

0423 *Panicum (Schultzei?)*
Shady wet bank & cut.

0424 *Chaetochloa macrostachya*
Large clump at base
of clay bluff.

0425 *Panicum viscidulum*
Along cut. Seen
no other here. Among
low grass, shrubs etc.

Panicum ghiesbreghtii
6826 *Panicum ghiesbreghtii*

4 Open grassy ground
Common, very fine
Stems 1-6 ft high. Spike
of P. distachyon
Panicum similar 2 ft long

Arthropus compressus
6827 *Arthropus compressus*

4 Strong long stems
Central blades narrow
Direct. Along cut

Paspalum fasciculatum
6828 *Paspalum fasciculatum*

4 Low ground - common
Base fine, long
Spreading or creeping
Stems of blades
Forming tangled mass

Arundinella peruviana
6829 *Arundinella peruviana*

1 Low ground, long clump

Paspalum notatum
6830 *Paspalum notatum*

4 Along road - common
Common, somewhat
weird

Eriochloa polystachya
31 *Eriochloa polystachya*

Low ground along R.
Spikes often purple

Homalocenchrus
32 *Homalocenchrus*

In water along R.

Panicum latifolium
33 *Panicum latifolium*

Good grass in water
Tall & erect 3-5 ft
high

Paspalum virgatum
34 *Paspalum virgatum*

Low ground along R.

Panicum (Laxa)
35 *Panicum (Laxa)*

In water & along
Along high banks
3-5 ft high from crests
Leaves tangled bases
Absolutely distinct
from *P. laxum*

Panicum guianensis
36 *Panicum guianensis*

Along cut. Leaves
Numerous, small

Spreading or creeping
rooting at the nodes
branching, the flower
culms ascending 1-2 ft
or in open ground
erect, prostrate, 7-10
resembling "wandering
jenny".

6/37 *Panicum miliannum*
Panicum sellowii

Along creek - clay bank
Culms slender, 1-2 ft
widely creeping at base
forming a large
mass. The flowering
culms ascending
3-4 ft

6/42/7 *Panicum* L. var.

Along creek, along
in open ground. Culms
spreading or if crowded
erect. Blade above
narrow.

6/38 *Echinolaena polystachya*
Panicum ~~erect~~
shrub rich locum under
coffee trees. Leaves
creeping trailing,
sheath glaucous, have
aspect of *Aplousium*
flower culms erect
about a foot high.

6/39 *Stenoploides*
Stenoploides
In same locality as
6/38 & mixed with it.
Culms erect, blades
wavy margined

Aug 27.
6/40 *Homalium* *Homalium*
Along shady bank

6/41 *Panicum virgultorum*
Panicum
Along shady bank

6/42 *Sporobolus* *Sporobolus*
Climbing high 15-20 ft
in coffee grove. Culms
panels to cane at base

6473 *Sporobolus piliferus*
Wet bank

6474 *Panicum pulchellum*
Damp shady place
in deep cut.

6475 *Splachnum liliaceum*
Wet springy bank

6476 *Panicum schmidtii*
Wet bank

6477 *Stachys pauciflora*
In shade of shrubs
on mud bank

6478 *Panicum fasciculatum*
Wet old field

6479 *Chorizanthe latifolia*
Wet bank

6480 *Chaetochloa viridis*
Wet field

6481 *Paspalum lividum*
Wet field

6482 *Echinochloa crusgalli satuli*
Wet field. Pan.
near road

6483 *Arundinella peruviana*
Wet field

6484 *Schizanthus pallens*
Wet shady place

6485 *Saxiasis heliomanolana*
Wet field of potatoes
near stream 6482

6486 *Saxiasis divaricata*
Along road among
shrubs. Looked
like 6482

6487 *Panicum*
= 6485. Wet in
woods.

6458 *Sarcocolla purpurascens*
 Shrub, 5-6 ft. tall
 flowers yellow
 all of leaves are
 here it is very fine

6459 *Panicum purpureum*
 Along road among
 shrubs. Leaves
 6-8 ft. long, some
 very slender, but
 leaves.

6460 *Panicum purpureum*
 Along ditch in a
 much water.

6461 *Sarcocolla rhizophora*
 In edge of jungle
 Branches, creep-
 ing, forming
 dense thicket, some
 along road. Fl. 2-3 ft. high

6462 *Oplismenus hirtellus*
 In shade of coffee
 tree. Creeping on ground
 Fl. culms 1/2 - 1 ft. high

8500 ft
 Esperanza Aug 28
 6463 *Stipa trochiloides*
 Dry open ground.

6464 *Stipa tenuissima*
 Dry open ground.

6465 *Penstemon grandis*
 Along by track - dry
 open ground.

6466 *Eragrostis limbatula*
 Along by track

6467 *Stipa robusta*
 Dry open ground
 about 2 ft. high - 6275

6868 *Chloris sphenoloba*
along by heads

6869 *Stipa multicaulis*
dry open ground
Large clumps

6870 *Muhlenbergia micrantha*
Rocky hill

6871 *Muhlenbergia affinis*
Rocky hill

6872 *Festuca texensis*
Rocky hill

6873 *Muhlenbergia berlandieri*
Rocky hill

6874 *Bouteloua curtipendula*
Rocky hill

6875 *Tridax dumetorum*
Rocky hill

6876 *Eleocharis pringlei*
Rocky hill

6877 *Bouteloua scorpioides*
Rocky hill

6878 *Panicum phillipsii*
Rocky hill

6879 *Muhlenbergia furcata*
Rocky hill

6880 *Tridax dumetorum*
Rocky hill

6881 *Tridax dumetorum*
Rocky hill

6882 *Silene purpurea*
Rocky hill

6883 *Bouteloua gracilis*
Rocky hill

6884 *Bromus porteri (anomalous)*
Rocky hill

6885 *Epipactis karwinskae*
Rocky hill

6486 *Stipa flexuosa*
Rocky hill

6487 *Aristida wrightii*
Rocky hill

6488 *Stipa nuttiana*
Rocky hill

6489 *Stipa multinodosa*
Rocky hill

6490 *Festuca texensis*
Rocky hill

6491 *Eragrostis lugens*
Rocky hill

6492 *Aristida patonii*
Rocky hill

6493 *Eragrostis mexicana*
Rocky hill

6494 *Stipa multinodosa*
Rocky hill

6495 *Bromus laciniatus*
Rocky hill

6496 *Eragrostis mexicana*
Along by

6497 *Bromus laciniatus*
Along by - 6495?

6498 *Stipa ichu*
Along by

6499 *Stipa tenuissima*
Along by

6500 *Stipa multinodosa*
Along by

6501 *Muhlenbergia aquarosa*
Along by

6502 *Stipa ichu*
Along by

6503 *Eragrostis mexicana*
Along by

6504 *Bromus hypodictyon mexicanus*
Along Ry

San Marcos Aug 28
6505 *Chloris* Along Ry
Embouchure

6505 *Chloris subaristata*
3

6506 *Bouteloua procumbens*
Barbelan

6507 *Muhlenbergia squarrosa*
1

6508 *Scleropogon karwinskianus*
3

6509 *Horja alba*
2

6510 *Bouteloua gracilis*
Barbelan

6511 *Chaetochloa amabilis*
2

6512 *Chaetochloa gracilior*
3

6513 *Muhlenbergia microspora*
2

6514 *Pycnanthemum flexuosum*
3

6515 *Aristida* ~~truncata~~
diversa

Bromus porteri (anomalous)
2

6517 *Bromus laciniatus*
1

6516 *Stipa tenuifolia* (slip)
2

6515 *Stipa*
2

6520 *Stipa multicaulis*
2

6521 *Stipa*
2

6522 *Deschampsia pulchella*
Clumps, well leaved
yellowish-green.

6523 *Eragrostis lugens*
1

6524 *Muhlenbergia kuhlmannii*
2

6525 *Muhlenbergia plumosa*
3

6526 *Aristida schubertiana*
2

6527 *Andropogon barbinodis*
Andropogon barbinodis

✓

6528 *Eriocarpus niger*
Eriocarpus niger
Large bunches 20-30 cm
slender erect. Rhiz.
erect. fls.

6529 *Muhlenbergia furcata*
Muhlenbergia furcata
Large clumps
Hairs dark

6530 *Briza seticulata*
Briza
Rocky hill - Esperanza

6531 *Muhlenbergia furcata*
Eriocarpus
Rocky hill

6532 *Styngopsis fimbriata*
Styngopsis
Rocky hill

6533 *Muhlenbergia plumbea*
Muhlenbergia plumbea

6534 *Eragrostis lugens*
Eragrostis lugens
Rocky hill

6535 *Syntherisma phaeoides*
Syntherisma phaeoides

Aristida divaricata

6536 *Aristida divaricata*
Aristida divaricata

6537 *Bromus laciniatus*
Bromus laciniatus

6538 *Bouteloua curtipendula*
Bouteloua curtipendula

6539 *Aristida purpurascens*
Aristida purpurascens

6540 *Stipa tenuifolia*
Stipa tenuifolia = sat.

6541 *Muhlenbergia affinis*
Muhlenbergia affinis
Large bunches - sandy soil

6542 *Muhlenbergia furcata*
Muhlenbergia furcata
Large clumps

6543 *Sporobolus indicus*
Sporobolus indicus
Erect clumps - sandy soil

6544 *Pennisetum purpurascens*
Pennisetum purpurascens 4600 ft
Along by side of slope

6545 *Aristida divaricata*
Aristida divaricata
Same

6546 *Panicum ghiesbreghtii*
3m

6547 *Trachypogon* ^{sea level}
low prairie bank
of low - abundant
desert - 1-2 canals
of sometimes more
a clump from bank
to stand plants more
even & real complete
even. R. - a stiff
sprawling like spherobolus
fls. spikes, nodding
sometimes forming clump
rootstock, leafy app.
at base of stem

6548 *Andropogon* - tall - rootstock
low prairie bank
of low - abundant
clumps 1-6 - small
forming dense rootstock

6549 *Paspalum chapmani*
Prairie - sandy

6550 *Stachytarpheta*
clonal, herbaceous
sandy prairie

6551 *Panicum* ^{in sand dunes forming}
sandy prairie - clump
rootstock - sometimes
fleshy ^{long stems or rootstock}
^{on above or below ground}

6552 *Sporobolus*
sandy prairie
clump, leaves
clump to rootstock
not stiff, erect
like S. nutans

6553 *Eragrostis Elliottii*
sandy prairie
sprawling clumps
culms stiff

6554 *Syntherisma*
sandy prairie, culms very
much - slender or

Prickly pear cactus
on wet cerupressa
blowing sheet. Id. on wet
thence at 8. Scumpling

6555 *Bouteloua filiformis*
Bent, low, common
Sandy prairie

6556 *Cenchrus ciliaris*
Cenchrus
Sandy prairie

6557 *Eragrostis*
Eragrostis
Sandy prairie

6558 *Anthelebra hermaphrodita*
Anthelebra
Sandy prairie

6559 *Eragrostis secundiflora*
Eragrostis
Sandy prairie

6560 *Eragrostis ciliaris*
Eragrostis
Along river

6561 *Paspalum distichum*
Paspalum
Low prairie

6562 *Panicum maximum*
Panicum
Sandy hill

6563 *Crundia amara*
Crundia
Sandy hill

6564 *Saccharum arundinaceum*
Saccharum
Sandy prairie

6565 *Paspalum notatum*
Paspalum
Sandy prairie

6566 *Syntherisma sanguinalis*
Syntherisma
Sandy prairie

6567 *Sporobolus virginicus*
Sporobolus
Sandy beach

6568 *Paspalum distichum*
Paspalum
Sandy beach

6569 *Echinochloa colonum*
Echinochloa
Wet along shore

6570 *Echinochloa indica*
Echinochloa
Wet along shore

6571 *Cenchrus echinatus*
Cenchrus (echinatus)
Sandy beach

6572 *Eragrostis pilosa*
Eragrostis pilosa
Wet clay bank

6573 *Chaetochloa imbricata*
Chaetochloa imbricata
Sandy soil
←

6574 *Holcus holipensis*
Holcus holipensis
Wet clay bank

6575 *Cenchrus carolinianus*
Cenchrus carolinianus
Sandy beach

6576 *Sporobolus argutus*
Sporobolus argutus
Along harbor front

6577 *Paspalum notatum*
Paspalum notatum
Along harbor front

Sept. 18
6578 *Axonopus compressus*
Axonopus compressus
Sandy place

6579 *Cenchrus echinatus*
Cenchrus echinatus
Sandy place

6580 *Eragrostis gigantea*
Eragrostis gigantea
Flat land bank
of beach among
Baccharis acuta
clashes, etc. 4-7 ft
high

6581 *Panicum verticillatum*
Panicum verticillatum
Along ditch bank
creeping flowering
clashes, etc. 6-10 ft
or more long.

6582 *Panicum (laxum)*
Panicum (laxum)
Edge of purple
beach

6583 *Panicum laxum*
Panicum laxum
Edge of purple

6584 *Panicum verticillatum*
Panicum verticillatum
Edge of purple

6585 *Andropogon glomeratus*
Andropogon glomeratus
Along ditch

~~Jalisco~~ Sept 2

6586 *Panicum geminatum*
Panic. ~~gemmatum~~
Soil.

Jalisco Sept 2 4600 ft

6587 *Panicum jaliscoense*
Panic. Jaliscoense
Clay cut, side of slope

6588 *Andropogon compressus*
Andropog. ~~compressus~~
Clay cut

6589 *Andropogon glomeratus*
Andropog. ~~glomeratus~~
Clay cut

6590 *Paspalum minus*
Pasp. ~~minus~~
Clay cut

6591 *Paspalum notatum*
Pasp. ~~notatum~~
Clay cut

6592 *Bromus carinatus*
Brom. ~~carinatus~~
By track

6593 *Chaetochloa imberbis*
Chaetochloa ~~imberbis~~
By track

6594 *Chaetochloa purpurascens*
Chaetochloa ~~purpurascens~~
By track

6556 *Andropogon saccharoides*
Clay cut

6557 *Trisetum degenianum*
Along ditch

6558 *Sporobolus indicus*
By ditch

6559 *Syntherisma sanguinalis*
By ditch

6560 *Briza rotundata*
Clay cut

6600 *Eragrostis villosa*
By ditch

6601 *Eragrostis lugens*
Clay cut

6602 *Eragrostis limbatula*
By ditch

6603 *Paspalum garcinianum*
Along R.

6604 *Panicum*
Along R.

6605 *Panicum millerianum*
Among shrubs

6606 *Panicum viridellum*
Among shrubs

6607 *Panicum sphaerocarpon*
Clay cut

6608 *Paspalum sphaerocarpon*
Shrubs along R.

6609 *Paspalum conjugatum*
Shrubs along R.

6610 *Panicum multicaule*
Clay cut

6611 *Panicum n. sp. (maritimum)*
Along R. among shrubs

6612 *Panicum*
Among shrubs
near P. sellowii

Panicum olivaceum
6612 *Panic. olivaceum*
25/ Clay cut.

Paspalum conjugatum
6613 *Paspalum*
2 Along Ry. in high
neglect

Paspalum polystachyum
6614 *Paspalum*
✓ Clay cut

Agrostis perennans
6615 *Agrostis perennans*
set/ Clay cut along
perennial

Sporobolus erectus Hitchc. n. sp.
6616 *Sporobolus*
set/ Clay cut, small
clumps.

Paspalum conjugatum
6617 *Paspalum*
Along Ry. track
from rich soil among
of shrubs each high
of vegetation!

Arundinella peruviana
6618 *Arundinella*
✓ Along Ry. in rich
rich soil

Hordeum anchus digulare
6619 *Hordeum*
Along Ry. Rich soil

Paspalum levidum
6620 *Pasp.*
✓ Along Ry.

Panicum maximum
6621 *Panicum*
Along Ry.

Anthephora hermaphrodita
6622 *Anthephora*
Along Ry.

Chas. Dichloa purpurascens
6623 *Chas. Dichloa*
Along Ry. - this
from seeds the
the corn on here

Panicum latum
6624 *Panic.*
✓ Clay cut

Poa annua
6625 *Poa annua*
1 Along street

Andropogon paniculatus
6626 *Andropogon*
1 Along Ry.

6627 *Agropogon anchroides*
1
Chiy. line

6628 *Agropogon trisetus*
1
Chiy. line

6629 *Agropogon*
Chiy. line

6630 *Panicum*
17
Banks of Chiy. line
among low shrubs

6631 *Panicum*
1
Open dry place
frutic. bush of
fall cereals

6632 *Panicum*
1
Sandy spring bank
a few dry, green

6633 *Panicum*
3
Open dry soil

6634 *Panicum*
Banks full of
along side of cut
dry bank

6635 *Panicum*
1
Along Ry

Sept 3
Along Ry in jungle
much along cut

6636 *Panicum*
2
Damp shady woods

6637 *Panicum*
2
Damp shady woods
Probably = 6634 but
leaves of flowering culms
shorter - culms broader
than culms so (wide)

6638 *Panicum*

6639 *Panicum*

6640 *Panicum*

Echinochaena polystachya
6641 Pan. ~~much~~ ~~all~~

Sporobolus liebmennianus
6642 ~~much~~ ~~all~~

1
Stems, flowering
young stems (much)
+ stem branches
Complete plant with
a few branches, and one

Paspalum plenum type
6643 ~~Paspalum~~
2
Large clump - Pan.
near center, thick
erect.

6644a *Paspalum californicum*

6644 *Paspalum schaffneri*

3
6645 *Paspalum schaffneri*

1
6646 *Panicum strigosum*

1
6647 *Paspalum distichum*

1
6648 *Muhlenbergia ochroleuca*
(diffuse) along
bank of cut

Ichmanthus pallens
6649 ~~Ichmanthus~~
along steep bank

Panicum fasciculatum
6650 Pan. (communion)
along steep bank

Panicum strigosum
6651 Pan. (strigosum)
3
Shrubby near water

Paspalum distichum
6652 ~~Paspalum~~ (distichum)
1
along by

Brachiaria plantaginifolia
6653 ~~Brachiaria~~ plants
1
near along bank

Paspalum aquaticum
6654 ~~Paspalum~~
1
along by

Sporobolus indicus
6655 ~~Sporobolus~~ (indicus)
1
along stream -
large clump.

Anthephora villosa
6656 ~~Anthephora~~
3
Practically along by

6657 *Paspalum inops* (= *hemi-cryptum*)
Erect, slender, green
ends along Ry.

6658 *Eleonurus bipartitus*
Sp. 2-3 dm. tall
Erect, ~~large~~ clump
leaves green, thin
slender, midrib
green, leaves
along Ry.

6659 *Andropogon* = *Siebm.* 52
Palmer 1922
Small erect clump
leaves erect, blue
slender spreading
flat, green
along Ry.

6660 *Andropogon* (*A. tetraetachys* but sheaths glabrous)
Erect, slender, 1-5 dm.
green, blue, erect
+ folded v. canaliculate

6661 *Andropogon paniculatus*
(*condensatus*)
Erect, slender, 1-5 dm.
leaves blue, slender
+ spreading

— *Coolidgea* *Sepet*
Culmiferous grass of
Filipino 12 Km.
Plant erect, slender
woody, from base
leaves more near
base, along Ry.
Chloris *virgata*

6662 *Muhlenbergia schultzei*
Erect, slender, 1-5 dm.
leaves blue, slender
+ spreading

6663 *Echinochloa polystachya*
Erect, slender, 1-5 dm.
leaves blue, slender
+ spreading

6664 *Paspalum longum*
Erect, slender, 1-5 dm.
leaves blue, slender
+ spreading

6665 *Pan* (Lepid.)
Blades cordate

6666 *Paspalum stipitatum*
Erect, slender, 1-5 dm.
leaves blue, slender
+ spreading

6668 *Paspalum inopae* (= *hemicyptum*)

6669 *Andropogon paniculatus*

6670 *Andropogon* (*A. tetraetachys*)
but sheaths glabrous

6671 *Andropogon glomeratus*

6672 *Sorghastrum stipoides*

Set Large cool clump
Base of stem brown
a slender stem
Prune & clay clay
cut.

6673 *Panicum raciolatum*

6674 *Lasiacis chrysogona*
4 Edge of leafy grass
a thick

6675 *Chrysanthus pallens*
1 Around shady open
place

6676 *Panicum glutinosum*

Thick bank near
stream. Large clumps
Culms numerous, long -
creeping at base, rooting
at nodes, fl. culms
1-3 ft high, Panicle
whorl of large di-
chotomous panicle (large
terminal panicle)

6677 *Eragrostis longicauda*

6678 *Syntherisma villosa*

6679 *Paspalum humboldtianum*

6680 *Lasiacis swartziana*
3 Shrub, woody
glaucescent at
nodes, of warm culm
= spec. of *Chrysanthus*

6681 *Oplismenus brasiliensis* Raddi
2 Shady place

6682 *Arundinella peruviana*

On level plain
Set / among high sug-
cated large clump
bet. Contepes Jalapa

6683 *Manisuris ramosa* (Tourn) Hitchc.
8 Low plain bet. 6682

6684 *Paspalum plerum*

Edge of woods, &
Set / Large clump. Culms
as much as 8 ft high
Pan. purple sheath
removed.

6685 *Chorizandra*

along R. in low
woods. Large clump
Set / 3-6 ft high Pan
maroon, purple

6686 *Paspalum poliflorum*

first; ⁱⁿ ^{used}
numbers ^{work}
next

6687 *Hilaria*

6688 *Burchus carolinianus*
Pops Park Est. de Mex
Aug 8.

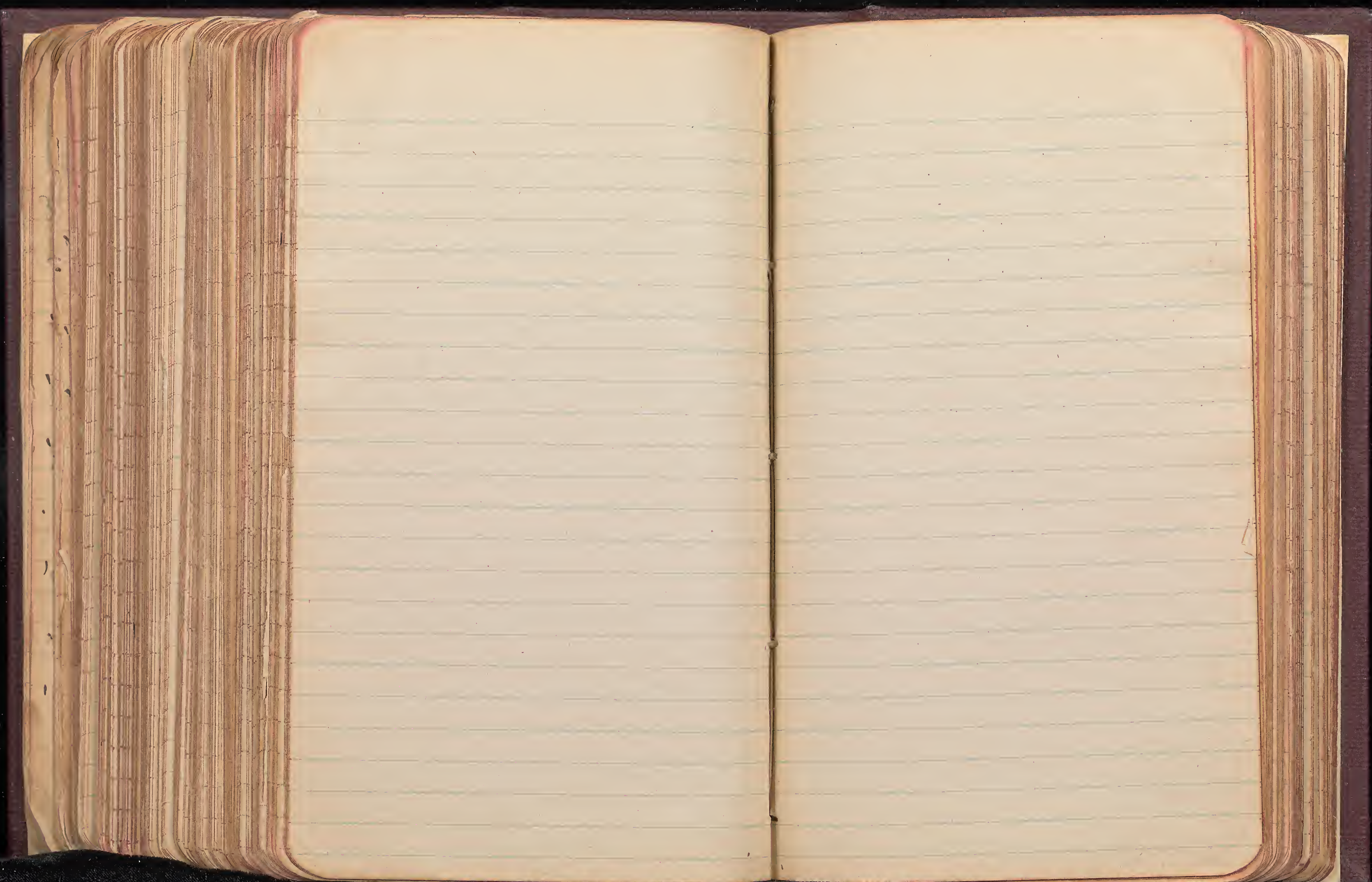
6689 *Eragrostis limbatula*
same

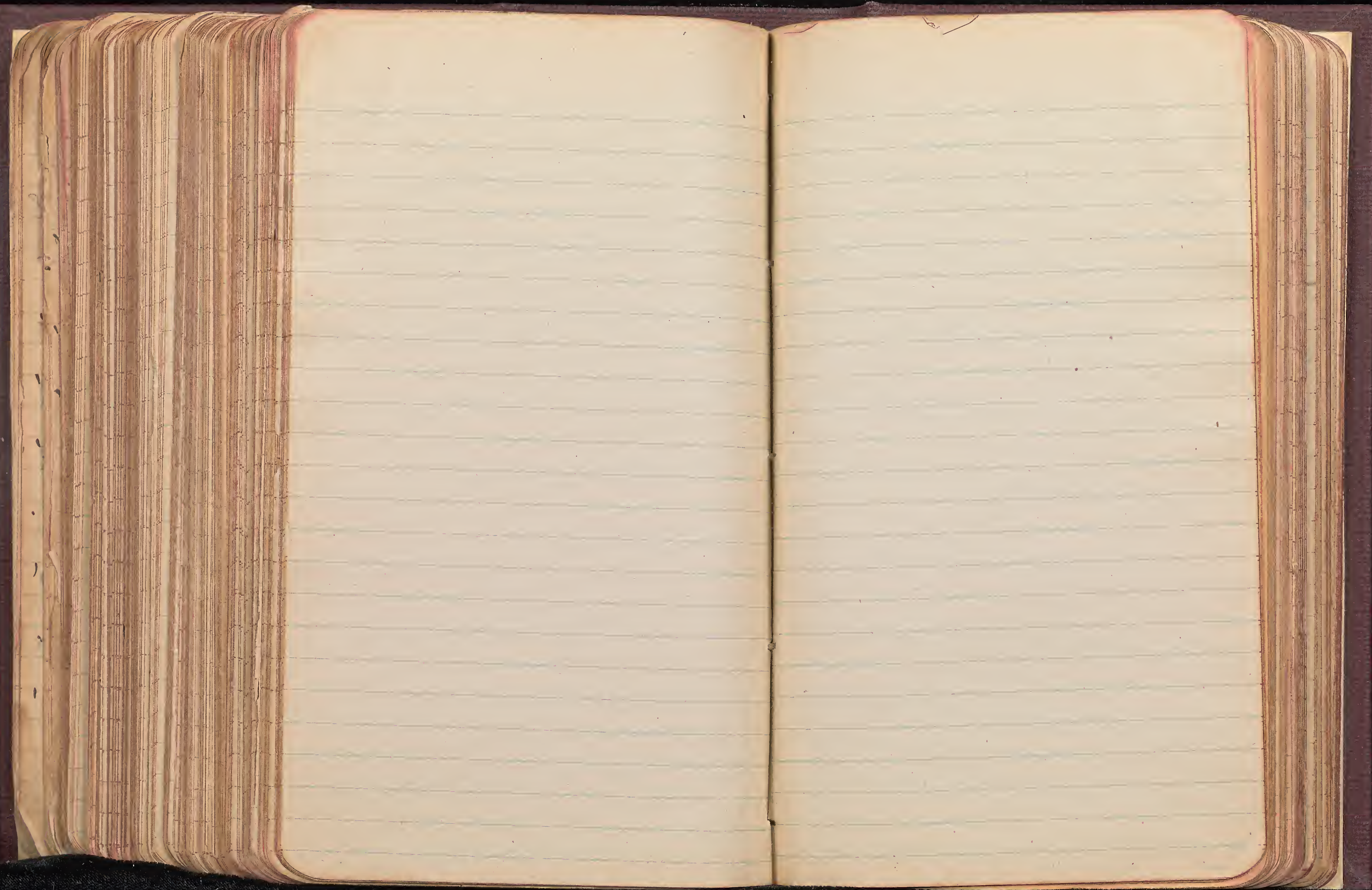
6690 *Cenchrus echinatus*

6691. *Eriochloa pumetata*

6693 *Setariopsis auriculata* (Tourn) Scribn.

6695 *Xoporus unisetus*





sets

- 6688 Muhlenbergia
6581 Panicum bartramianum
6660 Andropogon
6661 Andropogon
6634 Panic. scoparium

6330 *Achloea*?
 6383 *Panicum* (*Schumacheri*)
 6391 *Panicum* (*glaberrimum*)
 6434 *P.* *unicolor*
 6421 *P.* *laxum*
 6394 *P.* *Sphaerocarpon*
 6393 *Lasiacis*
 6392 *Panicum multicaule*
 6434 *Panicum zizanioides*
 6435 *P.* (*laxum*)
 6437 *P.* *Sellowii*
 6438 *Dimorphostachys*
 6458 *Lasiacis*
 6461 *Panicum rhipidolomum*
 6459 *P.* (*paniculatum*)
 6385 *Lasiacis*
 6384 *Pan. viscidellum*
 6543 *Sporobolus*
 6528 *Epilamprocarpon* (*macranthum*)
 6422 *Pan. procerum*
 6522 *Histia*
 6542 *Muhlenbergia*
 6541 *Muhlenbergia*
 6529 *Muhlenbergia*

6464 *Crizopsis*
 6463 *Stipa*
 551 *Pan. gracile*
 557 *Syntherisma*
 6553 *Eragrostis*
 6542 *Sporobolus dominicensis*
 6548 *Andropogon*
 6547 *Trachypogon gracilis*
 6769 *Agropyron*
 6782 *Brundagea*
 6553 *Muhlenbergia*
 6685 *Ptychophyllum*
 6672 *Sorghastrum*
 6580 *Eragrostis* (*maxima*)
 6676 *Panicum glutinosum*
 6657 *Paspalum*
 6658 *Eleusine*
 6616 *Sporobolus*
 6655 *Andropogon*
 6615 *Agrostis*
 6611 *Panicum costaricense*
 6612 *P.* *olivaceum*
 6650 *P.* *commutatum*
 6688 *Ischaemum*

6092 Heteropogon 30
 6094 Aristida
 6072 Aegopogon
 6031 Eragrostis
 6079 Stipa
 6093 Aristida
 6095 Chaetochloa
 6075 Aristida
 6064 Chaetochloa
 6074 Bouteloua
 6211 Panicum aripanicum
 6197 Pappophorum
 6212 Panicum hirticaule
 6203 Aristida
 6202 Chloropsis
 6270 Scleropogon
 6271 Bouteloua
 6272 Bouteloua
 6273 Aristida
 6274 Stipa
 6275 Stipa
 6276 Epicamps
 6149 Muhlenbergia
 6136 Bouteloua

6462 Oplismenus
 6150 Bouteloua
 6164 Bouteloua (Hilaria?)
 6097 Epizica?
 6304 Muhlenbergia
 6372 Panicum (oblongum)
 6035 Cenchrus
 6463 Panicum
 6000 Deschampsia
 6001 Festuca
 6480 Cima
 6481 Muhlenbergia
 6479 Festuca
 6360 Elymus
 6381 Andropogon
 6473 Oryzopsis
 6011 Bromus
 6486 Danthonia
 6482 Poa
 6032 Sporobolus
 6036 Epizica?
 6038 Muhlenbergia
 6460 Panicum pilonum
 6482 Anoplocheilus
 6462 Oplismenus

26. Oaxaca 1.08

27 Chalchicomula - 82 Registro

28 " 82 "

29-33 Esperanza \$ 5.18 "

34-37 Vera Cruz 3.88 "

38-41 Mexico - Spix 3.00 not "

42 Toluca 1.08 " " Photo

~~43-44 Amagan~~

Roll #12 - 1-8 Pape - post.

5 - Tuffs of basalt

6 - Tuffs of basalt (6002)

7-8 Pape Peak

2179½

1910

Book 3

6700-7564.

See after 6770 for 6686 to 6699

Pachusa Sept 6
8000 ft

6700 *Stipa flexuosa*
Rocky hill

6701 *Muhlenbergia missouriensis*
3 Rocky hill - lower part
purple

6702 *Muhlenbergia*
3 Rocky hill - spike

6703 *Bracteantha missouriensis*
Rocky hill - few

6704 *Bouteloua gracilis*
2 Rocky hill

6705 *Muhlenbergia*
1 Low, clump, rocky

6706 *Bouteloua curtipendula*
2 Rocky hill

6707 *Tridax duriuscula*
Rocky hill

6708 *Muhlenbergia barklandii*
Rocky hill

6709 *Agropyron geminiflorum*
Rocky hill

6710 *Bouteloua pumila*
Rocky hill

6711 *Bouteloua pumila*
Rocky hill = 6710

6712 *Chaetochloa composita*
Rocky hill

6713 *Eragrostis mexicana*
Rocky hill

6714 *Eragrostis lugens*
Rocky hill

6715 *Leptochloa julia*
Rocky hill

6716 *Stipa multinodis*
Rocky hill (windy)

6717 *Agrostis diversicola*
Rocky hill

6718 *Bouteloua dactyloides*
Rocky hill

6719 *Bouteloua dactyloides*
Rocky hill

6720 *Brachypodium mexicanum*
Rocky hill

6721 *Agropyron anechroides*
Rocky hill

6722 *Bouteloua gracilis*
Rocky hill

6723 *Microchloa setacea*
Rocky hill

6724 *Eragrostis pectinacea*
✓ In woods
along river - sand
bar - up country bar

6725 *Eragrostis pectinacea*
✓ In woods - sand
bar - up country bar

6726 *Chaetochloa*
✓ In woods - sand
bar - up country bar

6727 *Chaetochloa*
✓ In woods - sand
bar - up country bar

6728 *Muhlenbergia*
✓ In woods - sand
bar - up country bar

6729 *Sporobolus*
✓ In woods - sand
bar - up country bar

6730 *Deschampsia*
✓ In woods - sand
bar - up country bar

6731 *Festuca*
✓ In woods - sand
bar - up country bar

6732 *Festuca myuros*
✓ In woods - sand
bar - up country bar

6733 *Leptochloa*
✓ In woods - sand
bar - up country bar

6734 *Bouteloua*
✓ In woods - sand
bar - up country bar

6735 *Oxygon*
✓ In woods - sand
bar - up country bar

6736 *Muhlenbergia*
✓ In woods - sand
bar - up country bar

6737 *Deschampsia*
✓ In woods - sand
bar - up country bar

6738 *Briza*
✓ In woods - sand
bar - up country bar

Brachypodium mexicanum
6739 *Brachypodium mexicanum*
Rocky hill

2
6740 *Stipa*
Rocky hill

1
6741 *Bromus porteri*
Rocky hill - Pan
strongly nodding

2
6742 *Stipa*
Rocky hill

1
6743 *Eragrostis*
Rocky hill - Pan

2
6744 *Stipa*
Rocky hill

2
6745 *Bromus laeniatus*
Rocky hill - Pan

1
6746 *Festuca myuros*
In a small pond

1
6747 *Poa annua*
In a small pond

Chloris subserotina
6748 *Chloris subserotina*
Along road.

3
6749 *Eragrostis*
Rocky hill

1
6750 *Muhlenbergia*
Rocky hill

1
6751 *Eragrostis*
Rocky hill - Pan.
black, narrow, 1/2 d.
same as 6749?

2
6752 *Aristida*
Rocky hill - Pan
acorn short.

2
6753 *Muhlenbergia*
Rocky hill - Pan
clump.

Sep 27

6754 *Bulbocylus*
Along Ry track

6755 *Gerardia myosotis*
Sandy river bed

6756 *Muhlenbergia squarrosa*
Sandy river bed

6757 *Naja aliata*
Sandy river bed

6758 *Sporobolus argutus*
Along Ry track

6759 *Eragrostis myosotis*
Sandy river bed

6760 *Eragrostis myosotis*
Sandy river bed

6761 *Bulbocylus*
Sandy river bed
Ry track

6762 *Stipa trochiloides*
Sandy river bed

6763 *Stipa trochiloides*
Sandy river bed

6764 *Bouteloua tenuiflora*
Sandy river bed

6765 *Stipa trochiloides*
Sandy river bed

6766 *Andropogon bairdianus*
Sandy river bed

6767 *Agrostis myosotis*
Sandy river bed

6768 *Periploca aegyptia*
Sandy river bed

6769 *Agrostis myosotis*
Sandy river bed

6770 *Agrostis myosotis*
Sandy river bed

6770

Army Book

6686

Spinel 7
Paspalum

4482

Styria complanata
Styria

4455

Chloris virgata

10165

021290

1265

Mädchen

669

2000-2001

100

Quinto Sol.

7

Schwarzpfl.

1

Leftish Medicine

1944-1945
 Guerrero
 1944-1945

6625

25 *D. caplora*
A common weed
in corn field, along track
etc.

6654

Viola Sept 8
94 Sept 8
Lehigh Creek

4652

April 10 to Sept 8
Plaza near track
22 *Boerhaavia*
Boerhaavia erecta

1. 10. 5. 5.

Bouteloua filiformis

6555

255 Брызга.

4771

771 *Bouillabaisse* *Pinna stipitata*



60679

Wales Sept 8

1500 ft

6772 *Potentilla curtisii*
Shrub, erect
Rocky hill

6773 *Panicum (Panicum)*
Along creek &
Grass - small, green
Annual, spreading

6774 *Chaetochloa sp.*
Shrub-like
Travelling on clay
bank

6775 *Panicum arvense*
Shrub, erect
Travelling along road

6776 *Cochlearia arctica*
Shrub-like
Travelling along bank
w/ common in prairie

6777 *Leptochloa filiformis*
Shrub-like
Travelling along bank

6778 *Syntherisma dispersa*
Shrub-like
Travelling along bank

Heteropogon contortus

6779 *Heteropogon contortus*
Shrub-like

6780 *Potentilla radicans*
Shrub-like
Prairie - tall perennial

6781 *Heteropogon contortus*
Shrub-like
Mud clay bank

6782 *Panicum arvense*
Shrub-like
Annual - erect
Bluish-green, very
long

6783 *Opigia stolonifera*
Shrub-like
Along by water
Roots, stoloniferous
Leaves, long, narrow
fl. white

6784 *Leptochloa filiformis*
Shrub-like
Annual but
deep & coarse, fully
branching

676 *Arctida scabra*
Dusky leaf

6786 *Chetochloa friselbachii*
Open woods on hill

6787 *Aemichloris eximiatu*
Open woods on hill

6788 *Anteloma radiosa*
Rocky hill
Near Erhus puber

6789 *Pennisetum indicum*
Woods on hill

6790 *Sorghastrum?*
Open prairie on hill

6791 *Pennisetum amehaiden*
Rocky hill

6792 *Heteropogon melanocarpus*
Prairie of hill side
Low for some time
Common on hill
Simple, slender, erect

6793 *Trachypogon montifolius*
Prairie on hill
Part of hill, erect
Oval - prismatic
Gut somewhat oval
Leaves, not below
Like 7. *goumii*

6794 *Eragrostis megastachya*
Along creek

6795 *Eragrostis radiata*
Along creek

6796 *Syntherisma longicaulis*
Along creek

6797 *Stactylotetrum aegyptium*
Along creek

Aristida neesii

6778 *Aristida*
along creek in gravel

Cathartium erectum

6779 *Cathartium erectum*
= 6780, along the
6780 *Cathartium erectum*
annual herb
seeds to be preserved

Cathartium erectum

6780 *Cathartium erectum*
= 6779, a single
large plant along
Ry,

Chloris alba

6781 *Chloris alba*
along creek

Echinochloa colona (L.) Link

6782 *Echinochloa colona*
along creek

Eragrostis ciliaris

6783 *Eragrostis ciliaris*
along creek

Eragrostis ciliaris

6784 *Eragrostis ciliaris*
along creek
showing narrow

plants, also a pair
of large plants
showing slender
leaves

Eragrostis ciliaris

6785 *Eragrostis ciliaris*
along creek
in mud soil
annual, several
feet high, leaves
compressed, glaucous
which plant is
on low ground

Andropogon furcatus

6786 *Andropogon furcatus*
along creek
annual

Bouteloua curtipendula

6787 *Bouteloua curtipendula*
along creek
perennial

Panicum purpureum

6788 *Panicum purpureum*
= 6782 along
mud soil
showing narrow

6809 *Syntherisma digitata*
1 Along track

6810 *Panicum*
1 Along track
open ground, broad
at base & spreading

6811 *Panicum*
1 Along track, wet
+ with very large
pods

6812 *Eriochloa pinnatifida*
1 Along track

6813 *Panicum*
1 Along track

6814 *Panicum*
1 Along track - Pan
open & shrub

6815 *Panicum*
2 Along track

6816 *Trypacum dactyloides hispidum*
N On rocks of cliff

7840 see book 4

6817 *Opizoa stolonifera* 4500 ft

1 Open ground along
road

6818 *Paspalum conjugatum*
1 Along road
in deep place

6819 *Sporobolus capitatus*
1 Shrub (green)

6820 *Monticola hillbornii*
1 Shrub (green)

6821 *Syntherisma univittata*
1 Along road

6822 *Eriochloa pinnatifida*
1 Along road

6823 *Paspalum conjugatum*
1 Along road

6824 *Lasiacis liebmannaiana*
Short grassy, clay
Deep alluvium
Sandy & grassy
around foot of hill

6825 *Eragrostis pilosa*
Wet pasture

6826 *Paspalum villosissimum*
Along road

6827 *Sporobolus indicus*
Pasture

6828 *Syntherisma filiformis*
In pasture

6829 *Syntherisma sanguinalis*
In pasture

6830 *Paspalum inopale* = *Parni*
Pasture

6831 *Distichlis spicata*
Rocky hill

6832 *Chlorochloa imberbis*
Pasture

6833 *Paspalum acutiflorum*
Wet

6834 *Paspogon gamutiflorum*
Rocky cliff

6835 *Chloris elegantis*
Wet pasture

6836 *Echinochloa colona*
Wet pasture

6837 *Paspalum humboldtianum*
Rocky ledge

6838 *Paspalum nutans*
Pasture

6839 *Ephemerus brasiliensis*
Damp shady
place in alluvium
This is very fine specimen
from the other set

6840 *Tripsacum dactyloides* ^{hispidum}

9

Rocky cliff, small
clump 3 ft. tall
1 dent. clewle cl.
5-7. clewle cl.
Spiky, low & clewle
Mossy, low &
fragile, low & clewle
cliff fern

6841 *Saxifraga* ^{perfoliata}

1

from a pond
small in a patch
Goulden

6842 *Cephaelis* ^{anthemifolia}

2

from a pond
Goulden, see no 6817

6843 *Microrhiza* ^{californica}

1

Rocky, barren

6844 *Paspalum* ^{distachyon}

1

Wet soil

6845 *Andropogon* ^{fascicularis}

2

Rocky hill

Eleonurus ^{barbiculatus}

6846

Rocky hill

2

6847 *Homalocenchrus* ^{hexandrus}

1

Ditch

6848 *Polygomon* ^{elongatum}

2

Ditch

6849 *Colymboceros* ^{gallinacea}

1

Along ditch
low, leaved
fence line

6850 *Agropyron* ^{canebrake}

1

Along ditch

6851 *Setaria* ^{viridis}

1

Along fence

6852 *Cenchrus* ^{lanceolatus}

1

Along garden

6853 *Poa* ^{plantaginifolia}

2

Along garden

Paspalum plicatulum
6854 *Paspalum*
1 Along road

Chloris virgata
6855 *Chloris*
1 Pasture

Chytium bromoides (Franch)
6856 *Ceb. laur.*
1 Along road
edge of orchard

Eragrostis maxima
6857 *Eragrostis*
1 Widespread along road

Valeriana moultonii
6858 *Valeriana*
✓ Widespread in
orchard

Leptochloa argentea
6859 *Leptochloa*
✓ Along roadside
in water ch. banks
on creeps. In
damp soil ch. under
all erect.

Muhlenbergia cuscuta
6860 *Cuscuta*
✓ On hill & rocky
cliff & edge
of forest.

Sept 11
6861 *Valeriana peruviana*
5 Pasture

Buteloua cuneata
6862 *Buteloua*
1 Bushy, erect
Rocky place

Paspalum inops (= *hymenophyllum*)
6863 *Paspalum*
1 Along creek

Syntherisma filiformis
6864 *Syntherisma*
✓ Along creek

Quintinia brenaniana
6865 *Quintinia*
2 Along stream bank

Eragrostis ciliaris
6866 *Eragrostis*
1 Along road

Eragrostis caudata
6867 *Eragrostis*
1 Along road

6868 *Paspalum inops* (= *crispum*)
Along creek

6869 *Andropogon perforatus*
1. *Andropogon* *perforatus*
Pine along creek

6870 *Hackelochloa granulata*
2. *Hackelochloa* *granulata*
Along Ry

6871 *Heteropogon contortus*
Pine along creek

6872 *Arctostaphylos*
1. *Arctostaphylos*
Along creek

6873 *Andropogon saccharoides*
1. *Andropogon* *saccharoides*
Low plain - pine

6874 *Paspalum promissum*
1. *Paspalum* *promissum*
Low plain - pine

6875 *Chloris virgata*
1. *Chloris* *virgata*
Along creek

6876 *Conchurus echinatus*
1. *Conchurus* *echinatus*
Wet along Ry

6877 *Heteropogon melantherus*
1. *Heteropogon* *melantherus*
Wet, not common

6878 *Muhlenbergia elata*
3. *Muhlenbergia* *elata*
Rough plain

6879 *Paspalum buckleyanum*
2. *Paspalum* *buckleyanum*
Rough, wet along Ry

6880 *Paspalum lindum*
2. *Paspalum* *lindum*
Along Ry

6881 *Paspalum lindum*
1. *Paspalum* *lindum*
Along Ry. Tall cl.
Same as 6880? Tall
& the base round to pale
center.

6882 *Paspalum buckleyanum*
1. *Paspalum* *buckleyanum*
Wet, not common

6882 1/2 *Paspalum plicatulum*

6883 *Paspalum paniculatum*
Paspalum

Edge of area
Panicum

6884 *Ageratum*
Along ditch

6885 *Perennis exaltata*
Along stream

7 June 1903
8800 ft

6886 *Muhlenbergia*
Rocks

6887 *Muhlenbergia affinis*
Rocks

6888 *Eragrostis*
Rocks

6889 *Calamagrostis*
Rocks - silicles white

6890 *Sporobolus indicus*
Rocks

6891 *Avena fatua*
Rocks

6892 *Stipa pinnatifida*
Rocks

6893 *Muhlenbergia*
Rocks

6894 *Arctostaphylos*
Rocks

6895 *Bromus porteri*
Rocks

6896 *Bouteloua procumbens*
Rocks

6897 *Agropogon geminiflorus*
3 Rocky hill

6898 *Chaetochloa minima*
1 Rocky hill - summit

6899 *Horstera myosotis*
3 Rocky hill - summit

6900 *Brachypodium marianum*
v Rocky hill

6901 *Sporobolus indicus*
1 Rocky hill

6902 *Trisetum degenianum*
1 Rocky hill

6903 *Eragrostis mexicana*
1 Weed in field

6904 *Eragrostis lincolni*
1 Weed in field

6905 *Alaria americana*
1 Rocky hill

6906 *Chloris submutica*
v Rocky hill

6907 *Bromus racemosus*
1 Rocky hill among
weedy plants

6908 *Microchloa setacea*
1 Open rocky place

6909 *Sporobolus airoides*
1 Open rocky place

6910 *Paspalum distachyum*
v Along ditch

6911 *Muhlenbergia thurberiana*
3 Along ditch

6912 *Setochloa distach*
1 Along ditch

6913 *Poa annua*
1 Along ditch

6814 *Echinochloa heliiformis*
along ditch

6815 *Agrostis nitens*
along ditch

6816 *Syntherisma velutina*
flourish in sandy
ditch field, very
in permanent long
growing throughout
year in culture
Perlyanne velutina

6817 *Bouteloua gracilis*
Pleasant by bank

6818 *Syntherisma velutina*
along river = 6816
growing erect among
agave.

6819 *Muhlenbergia inornata*
along bank by
road, the long
green leaves
the bank

6820 *Trisetum degenkoides*
along ditch.

6821 *Bristlechloa spicata*
along river

6822 *Popalium Michoacan*
along ditch

6823 *Echinochloa argenti-
sola*
In water field
Panicum brevifolium

6824 *Orientalis* 6300 ft
along bank

6825 *Agrostis tenuifolia*
along bank

6826 *Echinochloa pumotata*
along ditch

6827 *Chloris virgata*
Along Ry

6828 *Brachiaria rufipennis*
Along Ry

6829 *Homalocenchrus*
Along Ry

6830 *Eragrostis mexicana*
Along Ry

6831 *Andropogon saccharatus*
Along Ry

6832 *Chloris virgata*
Along Ry

6833 *Paspalum*
Along Ry

6834 *Chloris*
Along Ry

6835 *Echinochloa*
Along Ry

6836 *Pennisetum*
Along Ry, Euc, Toru

6837 *Brachiaria*
Along Ry

6838 *Paspalum*
Along Ry

6839 *Blumea*
Along Ry

6840 *Syntherisma*
Along Ry

6841 *Echinochloa*
Along Ry

6842 *Sporobolus*
Along Ry

6843 *Capriola*
Along Ry

6844 *Paspalum*
Along Ry

6944 *Chaetochloa imberbis*
Chual, imberbis
Along Ry

6945 *Echinochloa polystachya*
19 Wild yucca

6947 *Bromus laciniatus*
1 Along road

6948 *Paspalum pubiflorum*
1 Along Road

6949 *Echinochloa crusgalli* var. *robusta*
1 Along ditch - per

6950 *Paspalum pubiflorum*
1 Along road ditch

6951 *Andropogon perforatus*
100 Along Ry

6952 *Panicum polystachya*
1 Along road

6953 *Chaetochloa imberbis*
Along Road

6954 *Amorpha canescens*
Along Ry

6955 *Paspalum*
Jacuaru Sept 15

6956 *Paspalum*
1 Along Ry

6957 *Eragrostis*
1 Along Ry - per

6958 *Andropogon*
1 Along Ry

6959 *Andropogon*
1 Along Ry

6960 *Andropogon*
1 Along Ry

6961 *Andropogon*
1 Along Ry

6962 *Andropogon*
1 Along Ry

6555 *Chaetochloa imberbis*
Chenop. herb.

Bushes along R.

6560 *Erigeron*
Along Road

6561 *Paspalum squarrosatum*
Bushes along R.

6562 *Paspalum minus*
Along Road

6563 *Sporobolus macrocarpus*
Open sunny place

6564 *Trisetum degenkoides*
Along Road

6565 *Chloris irrigata*
Along Road

6566 *Microchloa stolon*
Open sunny place

6566 1/2 *Muhlenbergia ciliata*

6567 *Lysurus brevifolius*
Muhlenbergia
Prunus

6568 *Erigeron*
Prunus

6569 *Sporobolus indicus*
Along Road

6570 *Chaetochloa gracilis*
Under shade

6571 *Andropogon furcatus*
Prunus

6572 *Muhlenbergia affinis*
Prunus

6573 *Syntherisma velutina*
Prunus

6574 *Syntherisma velutina*
Along road - bushes
bushes

6595 *Aristida schiediana*
3 *Arundinaceae*
Palmer

6596 *Syntherisma sanguinalis*
1 *Syntherisma*
Along stream

6597 *Syntherisma*
✓ *Syntherisma*
Along dry bank

6598 *Paspalum squarrosatum*
✓ *Paspalum*
Along stream, spreading

6599 *Panicum* n.s.p. (near *affinissimum*)
✓ *Panicum*
Among pines on top
of rocky hill, Keweenaw
Island, or crown well
dense culms, erect
from a spreading base

6600 *Paspalum paniculatum*
✓ *Paspalum*
Side of open ravine

6601 *Muhlenbergia affinis*
1 *Muhlenbergia*
Prairie

6582 *Aegopogon geminiflorus*
✓ *Aegopogon*
Climbing wall

6583 *Syntherisma*
✓ *Syntherisma*
Prairie, erect, Perennial
Spikes erect & dark color
almost black

6584 *Paspalum notatum*
✓ *Paspalum*
Prairie - exactly the
same as *P. notatum*
Habits the same

6585 *Chaetochloa bromoides* (Presl) Benth.
✓ *Chaetochloa*
Prairie along Ry

6586 *Chaetochloa purpurea*
✓ *Chaetochloa*
Prairie along Ry

6587 *Eragrostis liliifolia*
✓ *Eragrostis*
Prairie

6588 *Cenchrus ciliaris*
✓ *Cenchrus*
Along Ry

6989 *Syntherisma*
Syntherisma
 Perennial along Ry.
 Root from creeping
 winter stolons forming
 base. Spikes 1-2
 winter stiff, blackish.
 Sheaths rugose, smooth
 so near the pedicel
 S. generally. Offens
 to be perennial

6990 *Brachia* *planta*
Brachia *planta*
 Weed in corn field

6991 *Eragrostis lugens*
Eragrostis *lugens*
 Weed along Ry

6992 *Paspalum linderi*
Paspalum *linderi*
 Along Ry in low place

6993 *Paspalum inops*
Paspalum *inops*
 Open ground, pedunc
 of land etc. This etc
 next were growing
 together. Spikes large
 over 6998

6994 *Paspalum inops* (= *hemicyrtum*)
Paspalum *inops* (= *hemicyrtum*)
 Open ground along Ry
 Edge of field in pasture
 See 6993

6995 *Andropogon liebmanni*
Andropogon *liebmanni*
 Low near along Ry
 Cereals 1-3 months
 Root from a slightly
 ascending base

6996 *Paspalum* *muticum*
Paspalum *muticum*
 Along Ry

6997 *Paspalum*
Paspalum
 Same as 6996
 Are they different?

6998 *Syntherisma filiforme*
Syntherisma *filiforme*
 Along Ry

6999 *Paspalum inops*
Paspalum *inops*
 Along Ry

7000 *Hiloria cenchroides*
4 Along creek - over-
hanging a bank

7001 *Cenchrus echinatus*
3 Along creek

7002 *Bouteloua filiformis*
Along creek

7003 *Volcania* Sept 18
Cathartocum erectum
Bouteloua
Prunus along by

7004 *Leptochloa aquatica*
1 Along by

7005 *Paspalum inops* (= *hemisphaer-*
1 Along by

[7006 - See 6556] *Muhlenbergia*
lupulina

7007 *Strophurus* *uracanthus*
1 Along creek - a
common weed

7008 *Cenchrus viridis*
2 Along by

7009 *Syntherisma digitata*
1 Along by

7010 *Brachiaria plantaginifolia*
1 Along by

7011 *Panicum fasciculatum*
1 Along by

7012 *Eragrostis rugosula*
1 Along by

7013 *Eleusine indica*
1 Along by

7014 *Leptochloa filiformis*
1 Along by

Calderas (Colima) Sept 18

7015 *Eragrostis* *sp.*
1 Along by

7004

Eragrostis mexicana
pelletaria
along by

7017

Syntherisma digitata
along by

7018

Dactyloctenium aegyptium
along by

7019

Valota insularis
along by

7020

Echinopsia externa
along by 1 plant
young

Armeria (Colima)
Sep 19

7021

Boerhaavia
Boulebon
Sandy soil

7022

Alaria canchamader
along by

7023

Chelone caroliniana
Sandy soil by Bay

7028

Cathesticum erectum
Boulebon
Pinn. leaves B

7025

Anthephora hymenophoroides
along by B

Mangumilla (Colima)
Sep 19
sea level

7026

Chaptalia
along bluffs

7027

Sesuvium
Leaves on hills
near coast. Short
square, stem very
fragile. Black stem
light colored bark
Foliage glaucous, not much
clustered. Panicle rather
small, pedicels, flowers
tawny, drooping. Petiole color
4-8 ft. long, climbing
over brush.

7028

Sesuvium (probably not *divari-*
kata *bladen* *two*
large)
Young plant much like
black

7029 *Panicum fasciculatum*
Panicum fasciculatum
Wetland, full Pan.
marum

7030 *Paspalum conjugatum*
Paspalum conjugatum
Wetland, full Pan.

7031 *Panicum fasciculatum*
Panicum fasciculatum (leaves)
In water (Wetland)
In an open field
In partial shade
Annual, Pan. of
fertile stem, sterile
spreading

7032 *Panicum geminatum*
Panicum geminatum
In water of
Wetland, full Pan.
marum

7033 *Axonopus compressus*
Axonopus compressus
Parten to

7034 *Saxicaria swartziana*
Saxicaria swartziana
Wetland, full Pan.
This is a short herb

Leaves, leaves, but I
think it is a different species
from 7027 as it is
in full flower. I saw
several of them here
and there. (See 7079)

— Sept 20
7035 *Saxicaria swartziana*
Saxicaria swartziana
Wetland, full Pan.
leaves, sterile stems
& fertile stems

7036 *Paspalum paniculatum*
Paspalum paniculatum
Open place on land
leaves

7037 *Routeloua aristidoides*
Routeloua aristidoides
Along street

7038 *Aristida divaricata*
Aristida divaricata
Rocky cliff

7039 *Leptochloa filiformis*
Leptochloa filiformis
Open place
Wetland, full Pan.

7080 *Bouteloua nelsonii*
Climber, walls of cliff
by sea shore. Preserved
in alcohol. fl. culms
green, or grayish. X
Specimens abundant
young in the sand dunes
& I took

7081 *Anthephora hymenophylla*
Rock cliff by
sea shore.

7082 *Panicum molle*
Rocky cliff, under
sea level.

7083 *Conchus viridis*
Base of Rock, cliff
near sea shore

7084 *Soracia swartziana*
Base of cliff on sea shore
in reach of spray

Sem. specimens taken
from long impressions
shells

7085 *Heteropogon contortus*
Cliff by sea shore
wood flowers, the big
are I think.

7086 *Tridacna dactyloides hispidum*
Rocky cliffs on beach
cliff by sea shore
small plants, seen
first the same
the common - spec.

7087 *Armeria* Sept 20
Conchus paucispinus
Along R.

7088 *Arctostaphylos* Sept 20
Arctostaphylos
Along R.

7089 *Conchus Carolinianus*
Along R.

Jala (Colima) Sept 20

7050 *Chloris elegans*
Cuscuta
Along by

7051 *Pennisetum*
Along by

7051 1/2 *Eragrostis amabilis*
Cocumucelan Sept

7052 *Styria stolonifera*
Along by

7052 1/2 *Eragrostis*
Along by - common
practically everywhere

7053 *Eragrostis pinnatifida*
Along by

Alzada (Colima) Sept 21
at Alcala 0.2 km
west of Colima in
the top of the ridge. Hill
mostly prairie. 1500 ft

7054 *Chloris elegans*

7055 *Paspalum humboldtianum*
Paspalum (Humboldt)

7056 *Trachypogon montufari*
Along by

7057 *Paspalum plicatulum*
Along brook

7058 *Heteropogon contortus*
Along by

7059 *Paspalum plicatulum*
Paspalum (plicatulum)

7060 *Eragrostis pinnatifida*
Along track - common

7061 *Eragrostis pinnatifida*
Along track - seems to be
archival - Shk. pink

7062 *Eragrostis pinnatifida*
Along track - common

7063 *Eriochloa pinnatifida*
Eriochloa

2064 *Paspalum inopse* (= *hemicyptum*)
Annual - 4 1/2 in. - 1 1/2 ft.
hairy

2065 *Paspalum clavuliferum*
Along cut of R.
Annual - slender
Spk 2 - 8 fls. small

2066 *Andropogon ruprechtii*
Perennial in roots
leaves - prostrate
As I remember it
was 5' - 6' high
in the barbed wire

2067 *Chloroticum psylloides*
Perennial (a decid.)
Along R. in cut
grows 1' - 2' high
Much branched at
base. The flowers
are very small
low - 1' - 2' high
18 in. long, 2 fls.
It is a *Chloroticum*

2068 *Syntherisma sanguinalis*
Along R. in cut
In flower. Very
tender. Very
tender

2069 *Syntherisma digitata*
Along R. in cut
Perennial - small
branched, flowers
+ roots at base
Spk. 3 - 4 fls.
Spk. 3 - 4 fls.
Spk. 3 - 4 fls.

2070 *Lophocarpus unisetus*
Along R.

2071 *Eleusine indica*
Along R.

2072 *Lophocarpus*
Several specimens (2)

2073 *Digitaria pittieri pringleyi*
Along R. in cut
In flower.

7074 *Paspalum ciliiferum*
Red smooth bulb

7075 *Quercus* ~~foeniculacea~~
Greenish green

7076 *Cladostichia imberbis*
along B

7077 *Urtica crenatoloba*
Weeping - in
- prairie

7078 *Paspalum glaberrimum*
Prairie

7079 *Gonolobus composita*
Wet. Rich, low
Stems pale
Leaves ciliate
or less pale
Black, very dense
Perennial at base
Herbaceous, compact
Late from white fruit
(have fruit long ripe)

7080 *Pennisetum purpurascens*
Prairie - Rich, bulb
Perennial - fls. red

7081 *Panicum parvum* - 6582
Shrub along B &
small bulb
Erect, annual

7082 *Tripsacum dactyloides hispidum*
6 Rich side hill
Bush - per. an.

7083 *Tripsacum dactyloides hispidum*
3 Shrub, common - annual
Perennial same as 7082

7084 *Brutellia filiformis*
Perennial - greenish

7085 *Panicum procurrens*
1 Rich, bulb

7086 *Gonolobus polygamus*
Shrub, common

17007 *Saxiages probably not*
divaricata - *blad*
 too small
 Shrubby green in
 flower, top of tree
 1 leaf - flower
 minute - small
 red corolla
 Petiole slender
 long - same depth
 from the middle of
 from the middle

✓ 7088 *Supracum pilosum*
Supracum
 Shrub sub-lul
 in flower, top
 grassy green
 small reds show
 Spec. number 12
 3 or 4 are per 7
 on each 12 ft
 type of a bush
 Lents much like
 corn, the 5-5-4
 leaf from a thin
 shoot

7089 *Panicum hirticaule*
Panicum
 Along track

7090 *Polypogon monspeliensis*
Polypogon
 Frequent around the
 station, Germany
 Wall, low field near
 the station, a flag, stone
 Trestling down but
 well plants

7091 *Strophanthus purpureus*
Strophanthus
 As it grows along the
 track, showing the
 much flattened base

7092 *Setanopsis auriculata (Lour.)*
Setanopsis
 Along track

7093 *Paspalum crassum (L.)*
Paspalum
 Paspalum *crassum*
 Paspalum *crassum*
 long grass, smooth

7094 *Pennisetum purpureum*
Pennisetum
 Along track
 It is a common grass
 Soil yellow not red

7075 *Holcus holcoides*
Scrubby holcoides
Along creek
1

7076 *Panicum hirticaule*
Panicum
1 Panicum along creek

7077 *Panicum fasciculatum*
Panicum fasciculatum
1 Along creek

7078 *Paspalum paniculatum*
Paspalum
✓ Panicum

7079 *Eragrostis dactyloides*
Eragrostis
1 Side hill among
shrubs, opposite
to sapling 7087
One or two stems
fasciculated

7100 *Eragrostis echinoides*
Eragrostis
1 Along creek

7101 *Eragrostis*
1 Along R. Spikes black

7102 *Hackelochloa granulosa*
Hackelochloa
1 Along R.

7103 *Tripsacum fasciculatum*
Tripsacum
15 End of rocky stream
hill and up bank
6-8 ft tall

7104 *Panicum hirticaule*
Panicum (hirticaule)
✓ Weed - low

7105 *Eragrostis dactyloides*
Eragrostis
1 Weed - low

7106 *Panicum fasciculatum*
Panicum fasciculatum
✓ Weed - low

7107 *Panicum molle*
Panicum (molle)
Along R. in gravel
Is it 7082?

7108 *Eragrostis dactyloides*
Eragrostis (dactyloides)
✓ Between us on R.
Grass - common
Along way to stream

7109 *Andropogon pectinatus*
Annu. bushy in
dry rocky hill

7110 *Panicum trachyoides*
In shrubby bushy in
dry rocky hill with damp
Annu.

State of Jalisco
Along Rio de la Paz - south
Papotlan Sept 22
7111 *Eragrostis* 5000 ft
Damp soil

7112 *Aristida*
10 *Aristida divaricata*

7113 *Bouteloua furcata*
Boulder (Hill)

7114 *Chaetium bromoides* (Hill)
Boulder

7115 *Aristida longiramus*

7116 *Aristida bromoides*

7117 *Panicum glaberrimum*
Pan (Hill)

7118 *Bouteloua filiformis*
Boulder, Brown

7119 *Aristida divaricata*
Aristida

7120 *Paspalum inops* v. *major*
Paspalum

7121 *Paspalum paniculata*
Paspalum

7122 *Haplochloa gracilior*
Haplochloa

7123 *Chloris elegans*
Chloris

7124 *Cenchrus ciliaris*
Cenchrus

7125 *Hilaria cenchroides*
Hilaria

7126 *Andropogon perforatus*
Andropogon boulder

7127 *Paspalum distachyon*
Pasp. de Gal

7128 *Chaetochloa gracilior*
Short annu.

7129 *Chloris submutica*
Chloris

7/30 Sporobolus indicus

7/31 Leptochloa dulcis

7/32 Eragrostis mexicana

7/33 Paspalum manducanum

7/34 Paspalum inopre (= hemicypta)

7/35 Syntherisma liliiformis

7/36 Brachiaria plantaginea

7/37 Eragrostis mexicana

7/38 Chloris virgata

7/39 Syntherisma samaritanense

7/40 Eragrostis lanuginosa

7/41 Paspalum notatum

7/42 Chlorochloa imberbis

leaves down

Andropogon saccharoides

7/43 Andropogon (leaves)

7/44 Andropogon (leaves)

7/45 Andropogon (leaves)

7/46 Andropogon (leaves)

7/47 Andropogon (leaves)

7/48 Andropogon (leaves)

7/49 Andropogon (leaves)

7/50 Andropogon (leaves)

7/51 Andropogon (leaves)

7/52 Andropogon (leaves)

7/53 Andropogon (leaves)

7/54 Andropogon (leaves)

7/55 Andropogon (leaves)

7/56 Andropogon (leaves)

7/50 *Panicum bulbosum*
2

7/51 *Stipa micrantha*
2

7/52 *Bromus exaltatus*
1

7/53 *Paspalum mandiocanum*
2
at lower part
of woods

7/54 *Poa annua*
3
at lower part
of woods

7/55 *Sporobolus maritimus*
set
in open ground
at Ranch

7/56 *Muhlenbergia sp.*
3
Open ground at
Ranch

7/57 *Opuntia exarata*
6
Open ground at
Ranch

7/58 *Festuca toluensis*
2
Pine woods at
Ranch

7/59 *Muhlenbergia gracilis*
3
Open ground at
Ranch

7/60 *Calamagrostis mexicana*
1
Side hill at Ranch

7/61 *Muhlenbergia gracilis*
4
In spring place
on side hill at
Ranch

7/62 *Calamagrostis origanoides*
2
Open ground
Side hill at
Ranch

7/63 *Calamagrostis origanoides*
4
This may be the
same as 7/62. Same
in same place

Panicum sp. & more
drooping

7164 *Panicum*
near L. 5000 ft
to 7165

The following about
7165 *Trisetum spicatum*
at top (about 3 ft
of highest part)

7165 $\frac{1}{2}$ *Trisetum spicatum*
3 Obs at top. The
specimens of *Trisetum*
from an area of
roughly parallel
extending up
down and
across.

The *Trisetum*
and *Trisetum* about
1000 ft. & 5000 ft
abundant.

Trisetum spicatum

7166 *Trisetum*
from top about
1000 ft.

7167 *Trisetum* = 7165
At its highest
development about
1000 ft.

7168 *Trisetum spicatum*
About 1000 ft.
Common for about
500 ft above timber

7169 *Stipa* *Stipa mucronata*
5000 ft

7170 *Panicum albomaculatum*
Panicum albomaculatum

7171 *Andropogon tener*
Andropogon

7172 *Epipactis gigantea*
Epipactis

7173 *Epipactis gigantea*
Epipactis

7174 *Andropogon* (= *Pringle* 4294
provinc)

7175 *Androp.*

7176 *Paspalum Humboldtianum*

7177 *Syntherisma filiformis*

7178 *Sporobolus macrosporus*

7179 *Muhlenbergia implicata*

7180 *Epilampes Bourgaei*

S. *Nicotiana glauca* (Galisco) 5000 ft

7181 *Paspalum buckleyanum*

7182 *Paspalum lividum*

7183 *Paspalum notatum*

7184 *Chaetochloa imberbis*

7185 *Eragrostis tembat.*

156 *Syntherisma sanguinalis*

187 *Chloris elegans*

188 *Hilaria cenchroides*

7185 *Eragrostis mexicana*

190 *Paspalum inopel* (= *hemi-erectum*)

191 *Aristida tremuloides*

192 *Brachiaria plantaginifolia*

193 *Chloris virgata*

194 *Bouteloua filiformis*

195 *Andropogon perforatus*

196 *Paspalum pubiflorum*

197 *Paspalum lividum*

198 *Andropogon hirtellus pubiflorus*

* The following are
from the same hill

7199 *Panicum* ^{*legitimum*}
Panicum (Panicum)

7200 *Catherantem* ^{*erectum*}
Bouteloua

7201 *Bouteloua* ^{*filiformis*}
Barb. (Panicum)

7202 *Catherantem* ^{*erectum*}
Bouteloua

7203 *Muhlenbergia* ^{*ciliata*}
Muhlenbergia (Muhlenbergia)

7204 *Sporobolus* ^{*macrocarpus*}
Sporobolus

7205 *Eragrostis* ^{*lanceolata*}
Eragrostis

7206 *Microstachya* ^{*lanceolata*}
Microstachya

7207 *Lasiacis* ^{*liobanniana*}
Lasiacis

7208 *Paspalum* ^{*manducanum*}
Paspalum

7209 *Christida* ^{*colorata*}
Christida

7210 *Syntherisma* ^{*filiformis*}
Syntherisma

Andropogon fastigiatus

7211 *Andropogon*
Andropogon

Heteropogon contortus

7212 *Heteropogon*
Heteropogon

Bouteloua curtipendula

7213 *Bouteloua*
Bouteloua

Bouteloua hirticulmis

7214 *Bouteloua*
Bouteloua

Hordeolochloa granularis

7215 *Hordeolochloa*
Hordeolochloa

Muhlenbergia elata

7216 *Muhlenbergia*
Muhlenbergia

Andropogon brevifolius

7217 *Andropogon*
Andropogon

Eleusine barbiculm

7218 *Eleusine*
Eleusine

Concha schmidtii

7219 *Concha*
Concha

Paspalum pubiflorum

7220 *Paspalum*
Paspalum

Paspalum inops v. major

7221 *Paspalum*
Paspalum

Paspalum inops v. major

7222 *Paspalum*
Paspalum

7223 *Paspalum inopos. v. major*
Paspalum

7224 *Echinochloa colonum*
Echinochloa

7225 *Brachiaria nigra*
Brachiaria

7226 *Sporobolus indicus*
Sporobolus

7227 *Aristida longicauda*
Aristida

7228 *Echinochloa pinnata*
Echinochloa

7229 *Paspalum pubiflorum*
Paspalum

7230 *Paspalum pubiflorum*
Paspalum

7231 *Echinochloa indica*
Echinochloa

7232 *Andropogon furcatus*
Andropogon

7233 *Aristida longicauda*
Aristida

7234 *Eragrostis caudata*
Eragrostis

7235 *Muhlenbergia affinis*
Muhlenbergia

5000 ft

Zapotecan Sept 25
On the mountain side

part of lawn
Panicum albomaculatum

7236 *Panicum albomaculatum*
Panicum

7237 *Eplismenus liebmanni*
Eplismenus

7238 *Panicum spidiatum*
Panicum

7239 *Chaetochloa gracilis*
Chaetochloa

7240 *Paspalum mandiocanum*
Paspalum

7241 *Pennisetum porteri (anomalous)*
Pennisetum

Pennisetum

7282 *Eragrostis lugens*
3 Pine woods

7283 *Syntherisma lachn.*
3 Pine woods

7284 *Trachypogon palmeri*
3 Pine woods

7285 *Andropogon tenuer*
4 Pine woods

7286 *Paspalum squamatum*
✓ Pine woods

7287 *Episcampa bougainv.*
2 Rocky hill

7288 *Muhlenbergia fruticosa*
1 Rocky hill

7289 *Muhlenbergia*
✓ Pine woods

7290 *Opismenus curvatus*
4 Shady damp place on rock hill

251 *Muhlenbergia implicata*
✓ Rocky hill - pine woods

252 *Syntherisma filiforme*
✓ Rocky hill

253 *Sporobolus macrochaeta*
1 Rocky hill = 7138

254 *Muhlenbergia implicata*
✓ Rocky hill

255 *Aegopogon geminiflorus*
✓ Rocky hill

256 *Muhlenbergia alata*
✓ On brick wall

257 *Muhlenbergia exilis*
✓ Rocky hill = 7256?

258 *Microchloa fasciculata*
✓ Rocky hill

259 *Muhlenbergia lycuroidea*
✓ Rocky hill

Guadalupe
(Jalisco) 2

7260 Muhlenbergia calymnagrostis
4 Can rang of hold

7261 Chloris elegans
1 Can rang of hold

7262 Aegopogon geminiflorus
Can rang of hold

7263 Eragrostis limicola
2 Can rang of hold

7264 Aristida ^{bracteata}
1 Can rang of hold

Along a corn field
near San Pablo,
Valley of Mexico

7265 ~~Syntherisma~~ ^{Syntherisma}
4

7266 Aristida ^{bracteata}
2

7267 Aegopogon cenchroides
Hilaria cenchroides

7268 Hilaria cenchroides

7269 Andropogon barbinodis

7270 Bouteloua naticosa

7271 Andropogon fernside Town
Can rang (Tenn)

7272 Andropogon tenuis

7273 Bouteloua hirtellensis

7274 Aristida ^{longiramea}
Aristida ^{bracteata} (Tenn)

7275 Aristida ^{longiramea}
Aristida (Tenn)

7276 Sporobolus confusus

7277 Bouteloua filiformis

7278 Cothostegium ^{sp. nov.}
Bouteloua (Tenn)

7279 Epilimnium cristatum Presl.
Celerya stone wall

7280. *Aristida* ~~harvardii~~ *divaricata*

7281 *Paspalum* ~~notatum~~ *luridum*

7282 *Cladonia* ~~virgata~~ *virgata*

7283 *Syntherisma* ~~canadensis~~ *canadensis*

7284 *Paspalum* ~~inopae~~ *inopae* (f. *hemisphaerica*)

7285 *Eragrostis* ~~limicola~~ *limicola*

7286 *Syntherisma* ~~californica~~ *californica*

7287 *Chrostium* ~~bracteoides~~ *bracteoides* (f. *galeata*)

7288 *Sporobolus* ~~indianus~~ *indianus*

7289 *Muhlenbergia* ~~implicata~~ *implicata*

7290 *Paspalum* ~~inopae~~ *inopae* (f. *hemisphaerica*)

7291 *Elytylectum* ~~arizonicum~~ *arizonicum*

7292 *Cereus* ~~californicus~~ *californicus*

7293 *Cereus* ~~echinatus~~ *echinatus*

7294 *Panicum* ~~germinatum~~ *germinatum*

7295 *Muhlenbergia* ~~ciliata~~ *ciliata*

7296 *Perbunchea* ~~benck~~ *benck* of narrow shady dale

7297 *Trisetum* ~~degeniioides~~ *degeniioides*

7298 *Trisetum* ~~degeniioides~~ *degeniioides*

7299 *Paspalum* ~~humiditatum~~ *humiditatum*

7300 *Eragrostis* ~~melanocoma~~ *melanocoma*

7301 *Aristida* ~~harvardii~~ *divaricata*

7302 *Perbunchea* ~~benck~~ *benck*

7303 *Cathartium* ~~erectum~~ *erectum*

7304 *Muhlenbergia* ~~affinis~~ *affinis*

7305 *Trisetum* ~~degeniioides~~ *degeniioides*

7306 *Trisetum* ~~degeniioides~~ *degeniioides*

7307 *Trisetum* ~~degeniioides~~ *degeniioides*

7303 *Pereilema crinitum*
10 *Pereilema*
Along road 1991

305 *Microchloa setacea*
Microchloa

309 *Sporobolus maritimus*

7305 *Mullerbergia elata*
Mullerberg

9707 *Sycurus phloxiae*

7. 20% *Arctida discolorata*

1. Carlin's Canal
 2. San Francisco
 3. San Francisco
 4. San Francisco
 5. San Francisco
 6. San Francisco
 7. San Francisco
 8. San Francisco
 9. San Francisco
 10. San Francisco

[Faint handwriting, possibly "L. J. ..."]

7309 *Sporobolus* *confusus*
4 Dry hillside. The previous
specimen not quite
open

7810 *Chiricthloa* *fulmentaria*
In water of Chile

23(1) *Paspalum distichum*
Pasp. dist.
dist.

3/2 *Capriola amabilis*
grevillae

7313 Chloris subma

2318 *Echinochloa* *frumentacea*

1. Wald - in wo
2. Wald - in wo

515 - ~~Wool of~~ ~~Wool of~~
Wool of

314 *Paspalum paniculatum*

317 *Leptochloa aquatica*
In lake & ditch

1318 *Paspalum tunicatum*

319 *Quinchela punctata*

320 *Baccharis planifolia*

321 *Diagrostis plumbea*
7 *Poa waltii* in deto

2322 *Eleusine indica* *Eleusine indica* of baranca.

✓ 2322 *Eleusine indica* of baranca, dry open place - near 4 down hill slope

2323 *Eragrostis*

✓ 2324 *Aristida lanuginosa*

✓ 2325 *Heteropogon contortus*

✓ 2326 *Heteropogon melanocarpus*

✓ 2327 *Andropogon* (near *A. sacchar*)

✓ 2328 *Brachiaria distachya*
A large perennial

✓ 2329 *Eleusine indica*

✓ 2330 *Sorghastrum incompletum*
Sorghastrum
Annual - frequent along

✓ 2331 *Eleusine indica* of baranca.

✓ 2332 *Muhlenbergia elata*

✓ 2333 *Muhlenbergia elata*

✓ 2334 *Heteropogon contortus*

✓ 2335 *Eragrostis*

✓ 2336 *Sporobolus capillaris*

✓ 2337 *Heteropogon melanocarpus*

✓ 2338 *Chaetochloa gracilior*

✓ 2339 *Andropogon ruyterii*

✓ 2340 *Perilemma*

✓ 2341 *Andropogon* (= Pungle 1805)

2382 *Pennisetum cenchroides*
Pennisetum

2383 *Tripsacum pilosum*
Severe there, low
plant. Herb
all ch. tripsac
are badly eaten
by larvae

2384 *Brachypogon palmieri*
Brachypogon

2385 *Bouteloua curtipendula*
Bouteloua

2386 *Sorghastrum nutans*
Sorghastrum
In be. ch. - perenn

2387 *Eragrostis amabilis*
Eragrostis

2388 *Sporobolus dielsianus*
Shrub several - bl.
pale green

2389 *Echinochloa polystachya*
Echinochloa

2390 *Holcus holperis*
Holcus
along stream

2351 *Echinochloa crusgalli* (L.) Beauv.
Echinochloa
along stream

2352 *Valota insularis*
Valota
along stream

2353 *Arundinella peruviana*
Arundinella
along stream

2354 *Andropogon glomeratus*
Andropogon
along stream

2355 *Chloris clandestina*
Chloris
side of baranca

2356 *Leptochloa filiformis*
Leptochloa
near along trail

2357 *Panicum polystachya*
Panicum
along trail

2358 *Tripsacum dactyloides* *hypoleucum*
Tripsacum
along trail

2359 *Andropogon* near *A. saccharatus*
Andropogon

2360 *Andropogon perforatus* (var. *palmeri* pubescent)
Andropogon

7361 *Tripsacum pilosum*

7362 *Zizania latifolia*
Shady place on trail

7363 *Paspalum virgatum*

7364 *Pennisetum cenchroides*

7365 *Panicum trichoides*
Shady place in
of woods near bank of
baranca 4500ft

7366 *Tripsacum pilosum*
Shady place on
bank

7367 *Andropogon leptostachyus*
In shade near bank
of baranca

7368 *Lappula*
In shade on side
of baranca

7369 *Chaetochloa Grisebachii*

7369 *Heteropogon melanocarpus*

7370 *Helianthus*
In shade near
shady place

Jalisco 6100ft

Collected Sept 29
A flag station near
of La Puente 20 miles
from San Carlos
Collected all area
in or near a large
pond. Filled with water
birds, such as water fowl
also many ducks.

7371 *Muhlenbergia affinis*
By bank of pond

7372 *Syntherisma*
In shade near
water

7373 *Echinochloa crusgalli subulicola*
In place of pasture
fence

Many in fact

66
much of novel, & some

seeds from long narrow
inland flange in the
water or at least
on the stream.

Guanajuato

5800 ft
In the high
sand dunes
plants. The most
from dunes here
track

7387 *Echinochloa crus-galli mutica*

7388 *Paspalum lepidum*

7389 *Leptochloa fascicularis*

7390 *Bulbilia distachya*

7391 *Syntherisma sanguinalis*

7392 *Leptochloa distachya*

7393 *Echinochloa hololepis*

Holcus hololepis

7394 *Sorghum hololepis*

Chloris elegans

7395 *Chloris*

Andropogon saccharoides

7396 *Andropogon saccharoides*

Pennisetum crinitum

7397 *Cyperus*

Echinochloa crus-galli mutica

7398 *Echinochloa crus-galli mutica*

Echinochloa crus-galli mutica

7399 *Echinochloa crus-galli mutica*

Paspalum lepidum

7400 *Paspalum lepidum*

Chloris hololepis

7401 *Chloris hololepis*

Leptochloa myosuroides

7402 *Leptochloa myosuroides*

Sporobolus indicus

7403 *Sporobolus indicus*

Paspalum lepidum

7404 *Paspalum lepidum*

Leptochloa echinata

7405 *Leptochloa echinata*

Echinochloa polystachya

7406 *Echinochloa polystachya*

7407 *Panicum obtusum*

7408 *Andropogon foeniculifolius*

7409 *Paspalum leucostachyum*

7410 *Brachia plantaginifolia*

7411 *Chloris subulata*

7412 *Chloris virgata*

7413 *Echinochloa polystachya*

7414 *Paspalum pubiflorum*

7415 *Paspalum distichum*

7416 *Brachia megarrhiza*

7417 *Eragrostis megastachya*

7418 *Eragrostis mexicana*

7419 *Eragrostis limbatula*

7420 *Echinochloa crusgalli sabulicola*

7421 *Echinochloa crusgalli nutica*

7422 *Panicum nana*

7423 *Bouteloua filiformis*

7424 *Bouteloua filiformis*

7425 *Bouteloua curtipendula*

7426 *Muhlenbergia ناموسissima*

7427 *Chenopodium quisebae*

7428 *Aristida scopulorum*

7429 *Aristida monensis*

7430

Hilaria cenchroides
Chloris clandestina

7431

Chloris

7432

Leptochloa imbricata
Lept. along
Low ground

7433

Sporobolus indicus
Along by a road
ground

7434

Capriola dactyloa
Along by

7435

Polypogon elongatus
Along ditch

7436

Cathartum erectum
Rough hill

7437

Hachelochloa graminea
Rough hill

7438

Chaetochloa brevifolia
Wet in yard

Agnes

Calamagrostis

6300 ft

Meads along road

7439

Cenchrus echinatus

7440

Cenchrus carolinianus

7441

Echinochloa spectabilis (Nees) Link

In dry ditch
Seems to be a variety
of *Echinochloa* &
holciformis in appearance

7442

Echinochloa crus-galli mutica

7443

Eragrostis mexicana

7444

Bouteloua aristidoides

7445

Bouteloua curupumbeana

7446

Aristida fraxinifolia
Produced in bunches

2447 *Aristida bromoides*

2448 *Aristida divaricata*

2449 *Andropogon badius*

2450 *Conchus myosuroides*

2451 *Diarrhiza nutans*

2452 *Chloris elegans*

2453 *Chloris submutica*

2454 *Chloris virgata*

2455 *Chaetochloa imberbis*

2456 *Panicum obtusum*

Per slender reeds
along

2457 *Bouteloua multiflora*

2458 *Sporobolus airoides*

2459 *Muhlenbergia calamagrostidea*

Bouteloua gracilis

2460 *Bouteloua*

2461 *Chaetochloa gracilior*

2462 *Bouteloua filiformis*

2463 *Lycurus phloides*

2464 *Bouteloua hirtiglandulosa*

2465 *Chloris barbiculmis*

Along Dry River

2466 *Tridax aspera*

2467 *Bouteloua chondrosioides*

2468 *Muhlenbergia tenuiflora*

Dependent annual

2469 *Bouteloua barbata*

Perennial annual

2470 *Conchus carolinianus*

7471 *Microchloa villosa*
Kudachla

7472 *Sporobolus confusus*
Grass - ground
dry run.

7473 *Aegopogon geminiflorus*
See piper

7474 *Leptochloa villosa*
Leptochloa

7475 *Muhlenbergia affinis*
Muhlenbergia

7476 *Bouteloua chondrostachya*
Munt in Bulb

7477 *Hilaria cernuiflora*
Munt

7478 *Aristida trimeris*
Pachira around
= 7477

7479 *Naxia aliena*
Naxia

7480 *Eriochloa purpurea*
Grass
along ditch

7481 *Paspalum distichum*
Ditch

7482 *Bulbilia dactyloides*
Bulbilia

7483 *Leptochloa villosa*
Leptochloa

7483 1/2 *Leptochloa villosa*
Leptochloa

7484 *Heteropogon contortus*
Munt

7485 *Panicum lasiocarpum*
Munt

7485 *Panicum lasiocarpum*
Munt

7485 *Panicum lasiocarpum*
Munt

7485 *Panicum lasiocarpum*
Munt

7485 *Panicum lasiocarpum*
Munt

7485 *Panicum lasiocarpum*
Munt

7485 *Panicum lasiocarpum*
Munt

7485 *Panicum lasiocarpum*
Munt

7486 *Echinochloa crus-galli*
Munt

7486 *Echinochloa crus-galli*
Munt

7487 *Paspalum distichum*
Along river

7488 *Brachiaria plantaginea*
Along river

7489 *Echinochloa spectabilis* (New)
Along river

7490 *Cenchrus echinatus*
Ward in corn field

7491 *Pennisetum versicolor* (Indet.)
Large culms & panicle

7492 *Brachiaria maritima*
Along ditch

7493 *Sporobolus airoides*
As this S. Wrightii
Culms slender & panicle
small, but the
leaf is long &
S. Wrightii

7494 *Leptochloa fascicularis*
Along edge of pool
Culms prostrate
widely spreading
Evenly branched
prostrate.

7500 ft
Zacatecas Oct 3
On the shaded hills
along R.R. north west of
depot. In gulches &
among cactuses or
other prostrate shrubs
then open ground grazed

7495 *Stipa pringlei*

7496 *Syntherisma phlegmaria*
Muhlenbergia

7497 *Muhlenbergia squarrosa*
Herbaceous (decid.)

7498 *Arundo donax*
Annual - prostrate

7499 *Bouteloua gracilis*
Bowl shaped

7500 *Eragrostis* *supina*

7501 *Bouteloua* *hirsuta*

7502 *Chloris* *submutica*

7503 *Stipa* *mucronata*

7504 *Muhlenbergia* *affinis*

7505 *Pennisetum* *complanatum*

7506 *Chloris* *elegans*

7507 *Chrysopsis* *perforata* 12 ft high
slender spk. slender or less hairy
awn shorter. Different species?

7508 *Muhlenbergia* *affinis*

7509 *Muhlenbergia* *calamagrostidea*

7510 *Pennisetum* *lepidulum*

In clift of rock a
suck of cul

7511 *Aristida* *humilis*
Depanpach, probably 7514

7512 *Tridax* *avenosa*

7513 *Bulbilia* *dactyloides*

7514 *Muhlenbergia* *affinis*

7515 *Eragrostis* *supina*
Perennial

7516 *Brachiaria* *stolonata*
Brachiaria

7517 *Aristida* *humilis*

7518 *Aristida* *humilis*

7519 *Bouteloua* *prominens*

7520 *Bouteloua* *curtipendula*

7521 *Chaetochloa* *composita*
Chaetochloa, *umbellata*

7522 *Stipa* *mucronata*

Compon 7895

7523 *Leptochloa* *distachya*

7524 *Stipa*
3 *Stipa flexuosa*

Oct 4

Along a dry creek
with occasional mud

or wet spots

7525 *Panicum*
Panicum

7526 *Echinochloa*
Echinochloa trumentosa

7527 *Echinochloa*
Echinochloa spectabilis (Nutt.)
C. Link.

7528 *Paspalum*
Paspalum distachyon

7529 *Agrostis*
Agrostis reticulata

7530 *Poa*
Poa annua

7531 *Erigeron*
Erigeron annuus

7532 *Erigeron*
Erigeron annuus

7533 *Muhlenbergia*
Muhlenbergia colomacantha

7534 *Agrostis*
Agrostis megastachya

7535 *Sporobolus*
Sporobolus Wrightii
Tridax pulchella

7536 *Ornithoglossum*

7537 *Helianthus*
Helianthus annuus

3800 ft Durango
7538 *Bouteloua*
Bouteloua curtipendula

7539 *Bouteloua*
Bouteloua curtipendula

7540 *Valeriana*
Valeriana corymbosa
Valeriana

7541 *Valeriana*
Valeriana corymbosa

7542 *Uniola*
Uniola pumila
Sand flat along
river. Leaves long
running - (old)
with seeds!

7543 *Pappophorum*
Pappophorum wrightii
Pappophorum

7543 *Cottoneaster pappophoroides*
Collared
Rocky hill

7544 *Aristida tremuloides*
Rocky hill

7545 *Chloris elegans*
Rocky hill

7546 *Chaetochloa Scribn. & Bachii*
Rocky hill

7547 *Eriodonta puberula*
Rocky hill

7548 *Muhlenbergia porteri*
Rocky hill

7549 *Chloris virgata*
Along ditch

7550 *Bouteloua aristata*
Rocky hill

7551 *Sporobolus airoides*
Rocky hill

7552 *Echinochloa colonalis*
Field

7553 *Cynodon dactylon*
Along ditch

7554 *Eragrostis mexicana*
Field

7555 *Stachys recta*
Field

7556 *Syntherisma sanguinolenta*
Field

7557 *Eriochloa punctata*
Field

7558 *Cenchrus ciliaris*
Field

7559 *Cenchrus carolinianus*
Field

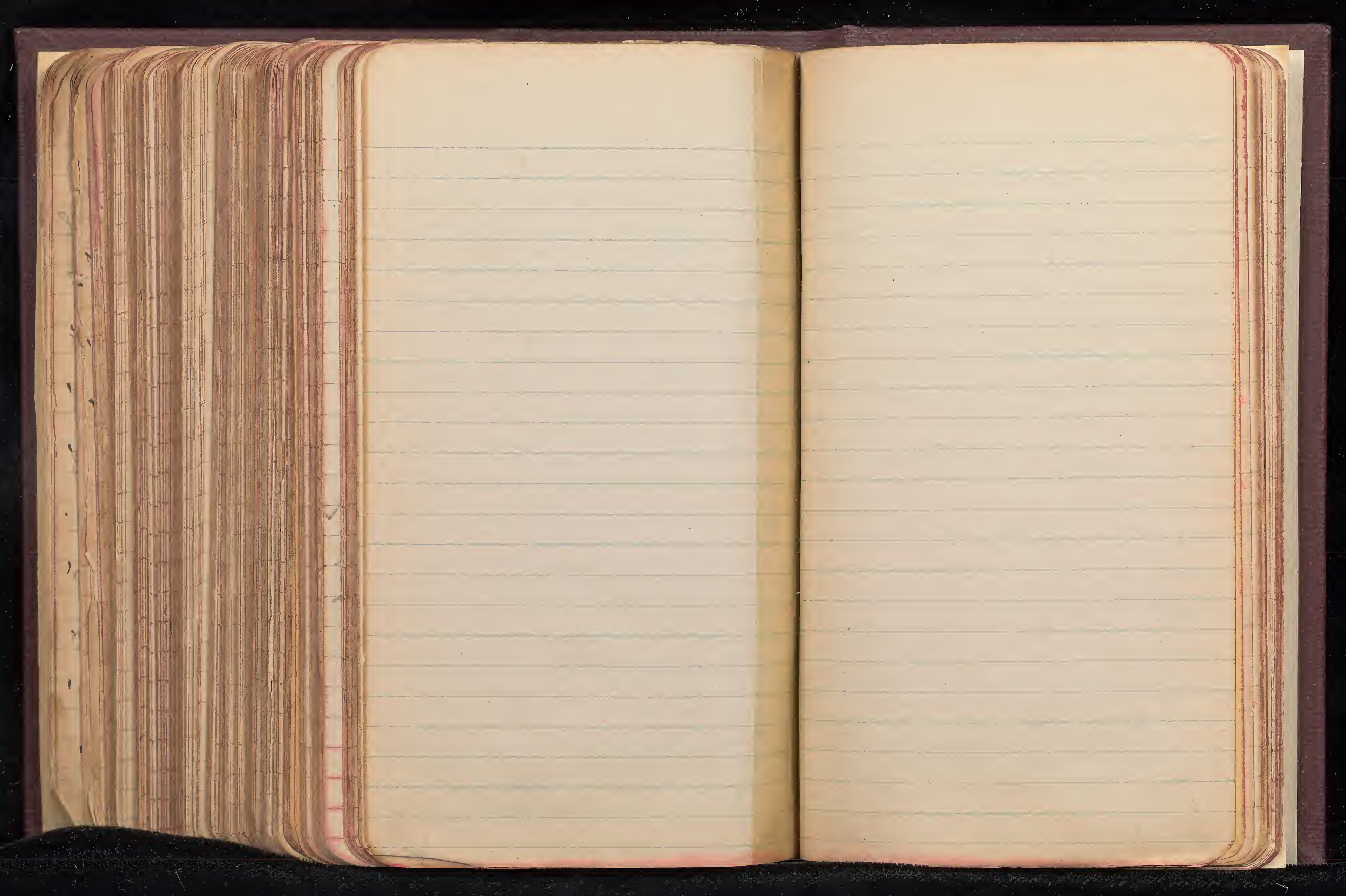
7560 *Cenchrus myosuroides*
Along ditch

75601 *Paspalum distichum*
Perf. also leaf
Along ditch

75602 *Holcus halepensis*
Single halapas
Habit - full

75603 *Panicum obtusum*
Pan. obtusum
Along ditch

75604 *Chloris elegans*
Chloris
A round a feather
= 7545



- 6539 *Opilismenus*
6560 *Muhlenbergia*?
6751 *Stachylechloa*
6783 *Trachypogon*
6782 *Panicum*
6776 *Bouteloua*
6780 *Bouteloua*
6689 *Paspalum*
6617 *Paspalum*

43-44	Acanthos. Reg.	152
45-47	Colubina Reg.	210
48-53	Zapallan b —	862
54	Guadalupe Reg	118
5-5	Agua Caliente	108
56	Durango	96

A. S. Hatchcock
 Dept. Agriculture
 Washington
 D.C.
 U.S.A.

1910

Book 4

Durango, Oct. 6
6200 ft

7565 - *Echinochloa crus-galli* mutica

1 In wall of ditch
leaves in the same

7566 in large

7567 *Echinochloa crus-galli* mutica

1 In wall of ditch

7568 *Setaria fascicularis*

1 In wall of ditch

7569 *Paspalum distachyon*

2 In wall of ditch

7570 *Bromus proximus*

2 Among bushes beside
road.

7571 *Hemiboea grandis*

1 In field

7572 *Oenothera biennis*

1 In field

Along an abandoned
Ry track. Dry soil.

7572 *Muhlenbergia calamagrostioides*

7573 *Chaetochloa guineensis*

7574 *Bouteloua gracilis*

7575 *Cenchrus carolinianus*

7576 *Brachiaria plantaginifolia*

This genus differs
from the others
B. plantaginifolia, note
sheath bracts &
somewhat pubescent

7577 *Aristida inaequalis*
Presumably on rocky soil

7578 *Paspalum pubiflorum*
Wet pond

7579 *Dactyloctenium aegyptium*
Along road

7580 *Helictes cernuus*

7581 *Aristida bromoides*

7582 *Chloris elegans*

7583 *Sporobolus argutus*
Along road

7584 *Leptochloa dubia*

7585 *Andropogon bartramianus*

7586 *Eragrostis mexicana*

7587 *Epilobium canis*
Rocky hill

7588 *Aristida schiediana*
Rocky hill

7589 *Andropogon furcatus* Horn

7590 *Muhlenbergia arizonica*

7591 *Panicum lepidulum*
Perennial, 2 spec

7592 *Paspalum inops* (= *hamerophyllum*)
Annual

7593 *Chaetochloa umbellata*
1

7594 *Chloris submutica*

7595 *Muhlenbergia affinis*
3

7596 *Trachypogon polystachyus*

7597 *Eragrostis megastachya*

7598 *Eragrostis lugens*
3

7599 *Eleusine indica*

7600 *Magia salina*

7601 *Bouteloua chondrostachya*

7602 *Aristida domingensis*
1 Annual - erect from
stems, base prostrate

Same as 7577

Bouteloua filiformis

7603 *Bouteloua filiformis*

7604 *Bouteloua filiformis*

7605 *Syntherisma phleboides*

7606 *Bouteloua curtipendula*

7607 *Cenchrus echinatus*

7608 *Muhlenbergia affinis*

7609 *Eragrostis limicola*

7610 *Bouteloua curtipendula*

7611 *Echinochloa holiformis* (H.B.K.)
2 In wood of pine
2 spec. 1 green, 2
black as if ripens

7612 *Homalocenchrus flexandrus*

1 Gravel & dry creek bed

7613 *Andropogon perforatus* (var. *palmeri*)
4 *Andropogon*
Prairie along creek
Not predominant
The clumps form
a loose cover
here. In speech
they are the same

7614 *Linchus myosuroides*
2 *Linchus myosuroides*
Prairie along creek

7615 *Spicampes niger*
6 *Spicampes niger*
Prairie along creek

7616 *Echinochloa spectabilis* (Nees) Link
2 *Echinochloa spectabilis*
Along dry creek bed
Clumps small & sparse
More slender & single
than when growing
in water (7611)

7617 *Deschampsia pruriens*
1 *Deschampsia pruriens*
Along creek

7618 *Panicum obtusum*
1 *Panicum obtusum*
Prairie of valley

7619 *Bracharia mexicana*
1 *Bracharia mexicana*
Prairie of valley

7620 *Bouteloua curtipendula*
1 *Bouteloua curtipendula*
Open prairie
along a bend of hill

7621 *Muhlenbergia waltersii*
2 *Muhlenbergia waltersii*
Prairie along hill

7622 The following from
Iron Mountain, a rocky
hill of Iron ore, covered
of low, very little soil
on it hill.

7622 *Heteropogon melanocarpus*
1 *Heteropogon melanocarpus*
Sparse specimen
at summit of hill
Annual

7623 *Chaetochloa composita*
2 *Chaetochloa composita*
Perennial

7624 *Stipa flexuosus*
1 *Stipa flexuosus*

- 7625 *Trachypogon polimeri*
1 *Trachypogon*
- 7626 *Bouteloua procumbens*
1 *Bouteloua*
- 7627 *Bouteloua aristata*
1 *Bouteloua*
- 7628 *Valota scabra*
1 *Valota*
- 7629 *Heteropogon melanocarpus*
8 *Heteropogon*
- 7630 *Tripsacum dactyloides*
1 *Tripsacum*
- 7631 *Valota inulnaria*
1 *Valota*
- 7632 *Setpochloa spicata*
2 *Setpochloa*
- 7633 *Microchloa setacea*
1 *Microchloa*
- 7634 *Panicum bulbosum*
3 *Panicum*
- 7635 *Muhlenbergia lemmonii*
2 *Muhlenbergia*
- 7635 1/2 *Muhlenbergia lemmonii*
3 *Muhlenbergia*
- 7636 *Andropogon purpureus*
1 *Andropogon*

- 7637 *Succowia phlegmaria*
2 *Succowia*
- 7638 *Pappophorum unguiculatum*
2 *Pappophorum*
- 7639 *Muhlenbergia implicata*
3 *Muhlenbergia*
- 7640 *Eragrostis tenuifolia*
1 *Eragrostis*
- 7641 *Heteropogon contortus*
1 *Heteropogon*
- 7642 *Aristida + scabra*
2 *Aristida*
- 7643 *Chaptalia Grisebachii*
1 *Chaptalia*
- 7644 *Muhlenbergia schaffneri*
3 *Muhlenbergia*
- 7645 *Muhlenbergia schaffneri*
3 *Muhlenbergia*

— Oct 8

Elymus canadensis

7444 *Elymus*
1 Along street

Eragrostis canadensis

7447 *Eragrostis*
1 Wet field

Tripsacum danielsonii

7448 *Tripsacum*
3 Rocky hill

Aristida lanuginosa

7449 *Aristida*
6 Rocky hill - valley

Andropogon scoparius

7450 *Andropogon*
2 Rocky hill

Elymus canadensis

7451 *Elymus*
2 Rocky hill

Epipactis atrorubens

7452 *Epipactis*
3 Rocky hill - wet
prairie

— Oct 9

Muhlenbergia equisetorum

7453 *Muhlenbergia*
3 Along ditch gravel

Distichlis spicata

7454 *Distichlis*
1 Along ditch

Echinochloa colonum S. B. Kent

7455 *Echinochloa*
1 Wet field

Echinochloa punctata

7456 *Echinochloa*
1 Wet field

Chloris virgata

7457 *Chloris*
1 Along ditch

Panicum capillare

7458 *Panicum*
2 Weed - corn field

Sporobolus indicus

7459 *Sporobolus*
1 Along ditch

Holcus holcus

7460 *Holcus*
1 Weed in field

Sanchez Oct. 12

Sporobolus ramulosus 8000 ft

7661 *Sporobolus*

Open grassy plain
woods. Common. Common
everywhere, along by the

7662 *Sporobolus confusus*

Open grassy plain
Common. Grass in
some localities, but
after nightfall
7663 *Sporobolus*
Common. Common
beneath soil so common
in grassy living. Living
in grassy plain

7663 *Muhlenbergia chlorophylla*

Open grassy plain
woods. Common

7664 *Muhlenbergia texana*

Muhlenbergia schaffneri

Open grassy plain

Bromus porteri (anomalous)

7665 *Pharus* (perleyi)
Rocky plain woods

7666 *Panicum bulbosum sciaephyllum*
Rocky plain woods
[not noted]

7667 *Epiloma* (indet.)
Rocky plain woods

7668 *Muhlenbergia gracilis*
Rocky plain woods

7669 *Muhlenbergia*
Rocky plain woods

7670 *Leptochloa*
Rocky plain woods

7671 *Shepherdia* (indet.)
Rocky plain woods

7672 *Shepherdia*
Rocky plain woods

7673 *Aristida* (indet.)
Rocky plain woods

7674 *Andropogon ciliaris*
Rocky plain woods, hills
1022 miles

7673 *Muhlenbergia flauida stricta*
3 Rocky bed of stream
annual. Perennial

7674 *Muhlenbergia indet.*
1 Rocky per woods
near dry bed of stream

7675 *Aegopogon canchroides*
Aegopogon
Rocky bed of stream
apparently perennial

7676 *Trisetum degenoides*
1 Trisetum
Rocky per woods
bed of stream

7677 *Stipa pringlei*
3 Stipa (very good)
Rocky per woods
near dry bed of stream
perennial

7678 *Sorghastrum brevifolium* (nutans var. brevifolium)
4 Sorghastrum
Rocky per woods

7679 *Sporobolus atropurpureus*
Rocky per woods
Annual, common

7680 *Agrostis subsericea*
1 Agrostis
Rocky bed of stream

7681 *Stipa pringlei*
5 Stipa (very good)
Rocky per woods
Perennial loose

7682 *Trisetum filifolium*
6 Trisetum (falsely)
Rocky woods.
Perennial, near
perennial bed
filament

7683 *Trisetum carnalis*
5 Trisetum
Rocky per woods

7684 *Lycium phlegmaria*
4 Lycium
Rocky woods

7685 *Muhlenbergia tenuifolia*
3 Muhlenbergia
Cleft of bold rocky
wood

7686 *Epilobium leptocarpum*
5 Epilobium (Epilobium)
Rocky bed of stream

7687 *Muhlenbergia* indet
Rocky soil / stream

7688 *Chloris elegans*
Along Ry

7689 *Eragrostis mexicana*
Along Ry

7690 *Echinochloa colona* (L.) Link
Along Ry - decaying

7691 *Chaetochloa unguiculata*
Along Ry

7692 *Eragrostis geminiflora*
Along Ry - annual

7693 *Muhlenbergia* indet
Along Ry

7693 1/2 *Muhlenbergia wrightii*
Hordeum pusillum

7694
Along Ry

7695 *Syntherisma sanguinalis*
Along Ry

7696 *Echinochloa spectabilis* (Nees) Link
Along Ry

7697 *Bouteloua curtipendula*
Along Ry

7698 *Eragrostis pectinacea*
Along Ry

7699 *Oenone fatua*
Along Ry

7700 *Triticum vulgare*
Along Ry - decaying

7701 *Muhlenbergia alamosana*
Can large boulder

7702 *Eriopogon lemmingii*
Rocky soil - post flower

7703 *Eriochloa punctata*
Along Ry

7704 *Pennisetum spoliatum*
Rocky soil

7605 *Eragrostis limboata*
Along stream in ravine

7706 *Agropyron repens*
Along stream in
Rocky ravine

7707 *Agropogon geminiflorus*
Along rocky ravine

7708 *Bromus richardsoni*
Rocky ravine
Paw. wood clearing

7709 *Aristida sparsa*
Flat gravelly level
in rocky ravine

7710 *Muhlenbergia aff. missa*
Flat level bottom
of rocky ravine

7711 *Agropyron virginicum*
Rocky ravine

7730 *Aristida sparsa*
along P.

7712 *Sphenopholis obtusata lobata*
= 7682 but vicifera

7713 *Bromus richardsoni*
Rocky ravine

7714 *Muhlenbergia missouriensis*
Rocky hill, level
like 7669 but named

7715 *Andropogon caryocarpus*
Rocky hill, probably
same as 7672 but
in larger bunches

7716 *Bouteloua gracilis*
Flat gravel bottom
of ravine

7717 *Aristida sparsa*
Gravel flat bottom
of ravine, compare
with 7709.

7718 *Bromus exaltatus*
along ravine

Boloney

7719 *Bromus* *lacinatus*
1 Along Ry

near Continental Drive

7720 *Muhlenbergia squarrosa*
4 Near blueberry (shrub)
by Ry

7721 *Agrostis subcapitata*
2 *Dischampia*
by Ry

Trinidad

7722 *Muhlenbergia clonata*
" set Along Ry = 7663

Ataros

7723 *Muhlenbergia aspera*
2 Sporob.
Along Ry

Zouren Oct 10 3800 ft

7724 *Chloropsis mendocina*
1 Along dry ditch
near canyon
glens, cactus etc.
Perennial. Fences
in large bunches.

7725 *Echinochloa crus-galli nutica*
4 Along ditch. Per.
See narrow forous
5 all

7726 *Agrostis mexicana*
1 Along ditch

7727 *Sporobolus airoides*
1 Along dry ditch

7728 *Echinochloa compressa*
2 Along dry ditch

7729 *Echinochloa fascicularis*
1 Along ditch

7730 off 7711 *Aristida* *truncata*

7731 ^{Chihuahua} *Miraca* Oct 13
Chloris submis 7000 ft

Along Ry

7732 *Eragrostis limbalata*
Along Ry

7733 *Eragrostis mexicana*
Along dry run

7734 *Panicum obtusum*
Dry run

7735 *Paspalum distachnum*
Dry run

7736 *Aristida divaricata*
Along run

7737 *Andropogon barbinervis*
Along run

7738 *Eragrostis megastachya*
Along Ry

7739 *Bouteloua curtipendula*
Rocky run

7740 *Lycopodium phlegmaria*
Rocky hill
Taller than the
mesa form

7741 *Oryzopsis fimbriata*
Base of rocky butte

7742 *Muhlenbergia moynihanii*
Rocky hill

7743 *Andropogon furcatus*
Rocky hill

7744 *Andropogon furcatus*
Rocky hill

7745 *Andropogon furcatus*
Mesa

7746 *Bouteloua gracilis*
Mesa

7747 *Muhlenbergia affinis*
Mesa

7748 *Epicampes leptoura*
Dry run

7749 *Epicampes leptoura*
Dry run
Lowly diffuse

7750 *Epicampes leptoura*
Rocky hill

7751 *Panicum pampinosum*
Depression in mesa

7752 *Aristida spadicosa*
Rocky hill

7753 *Eriochloa punctata*
Along Ry

7754 *Aristida ~~laevigata~~ palmieri*
Mesa

7755 *Aristida ~~laevigata~~ ~~brunneica~~*
Rocky hill
Dry run

7756 *Panicum pampinosum*
Depression in mesa

7757 *Panicum ~~brunneica~~ ~~brunneica~~*
Depression in mesa

7758 *Echinochloa spectabilis* (Nees)
Along Ry

7759 *Muhlenbergia equisetifolia*
Mesa

7760 *Aristida ~~laevigata~~ ~~brunneica~~*
Pondland brush
Dry run

7761 *Aristida ~~laevigata~~ ~~brunneica~~*
Dry run - wet

7762 *Delamphosia pringlei*
Dry run

Aristida schiedeana

7743 *Aristida*
Rocky hill - low

7744 *Aristida spadiosa*
Rocky hill

7745 *Muhlenbergia flavida stricta*
Along bed of rocky
run - annual

7746 *Muhlenbergia*
Along bed of rocky
run in sand - annual

7747 *Sporobolus confusus*
Along sandy bed of
dry run - annual

7748 *Muhlenbergia lasina*
Along bed of rocky
run - annual

7749 *Muhlenbergia gracilis*
Rocky hill

Chihuahuensis Oct 18

7770 *Epicampes niger* 4600 ft
Along agave clump

7771 *Elymus brachystachys*
Along agave clump

7772 *Panicum plum*
Along edge of field

7773 *Epicampes niger*
Along dry run

7774 *Chaptalia grisebachii*
Along dry run, sand

7775 *Chaptalia composita*
Edge of field perenn.

7776 *Setaria dubia*
Along dry run

7777 *Tridax pulchella*
Along dry run

7778 *Eriochloa punctata*
1 Eriochloa
Along dry run

7779 *Muhlenbergia calamagrostoides*
2 Muhlenbergia
Along dry run

7780 *Echinochloa colona* (S. B. L.)
1 Echin. colona
Depression in mesa

7781 *Leptochloa viscosa*
2 Lept. viscosa
Depression in mesa

7782 *Bouteloua curtipendula*
Bout. curtipendula
Mesa

7783 *Sporobolus confusus*
1 Sporobolus
Dry hill of mesa

7784 *Muhlenbergia arizonica*
1 Muhlenbergia
Dry hill of mesa

7785 *Aristida stricta*
1 Aristida
Rocky hill

7786 *Trachypogon montifari*
1 Eleusine
Rocky hill

7787 *Muhlenbergia monticola*
1 Muhlenbergia
Edge of rock on
side of gorge

7788 *Cenchrus carolinianus*
2 Cenchrus
Weed in old field

7789 *Urochloa setacea*
1 Urochloa
Rocky hill

7790 *Andropogon furcatus* (Lam.) Torr.
2 Andropogon
Rocky hill

7791 *Valota saccharata*
1 Valota
Rocky hill

7792 *Leptoloma cognatum*
1 Leptoloma
Rocky hill

7793 *Syntherisma phaeoides*
1 Syntherisma
Rocky hill

7794 *Bouteloua eriopoda*
Bouteloua
Rocky hill

7795 *Bouteloua parviflora*
Bouteloua
Rocky hill

7796 *Arctida bromoides*
Arctida
Rocky hill

7797 *Bouteloua curtipendula*
Bouteloua
Rocky hill

7798 *Andropogon barbinodis*
Andropogon
Rocky hill [low]

7799 *Bouteloua gracilis*
Bouteloua
Rocky hill mesa

7800 *Heteropogon contortus*
Heteropogon
Rocky hill

7801 *Pappophorum urrugatum*
Pappophorum
Mesa

7802 *Horiza aliena*
Horiza
Mesa

7803 *Bouteloua aristoides*
Bouteloua
Dry hill & river

El Paso Oct 15
Bouteloua
On mesa in young grove
irrigated.
7804 Bouteloua aristoides

7805 Bouteloua aristoides

7806 Sporob. elaeagnifolius

7807 Sporob. glaucus

7808 Echin. cernuus

7809 Valer. Saech

7810 Arctida

7811 Arctida

7812 Muhl. porteri

7513 *Amorpha* *leucocarpa*

7514 *Benthamia*

7515 *Panicum* *hirsutum*

7516 *Panicum* *arizonense*

7517 *Panicum* *halleri*

7518 *Panicum* *halleri*

7519 *Chloris* *eliana*
Along street

7820 *Sporobolus* *argutus*
Along street

7821 *Tridax* *flavus*
Along street

7822 *Tridax* *flavus* *pulchra*
Mesa

7823 *Pappophium*
Mesa

7824 *Leptochloa* *composita*
Along street

7825 *Chloris* *eliana* *composita*
Along street

7826 *Sporobolus* *argutus*
Mesa

7827 *Sporobolus* *argutus*
Mesa

McFarland Falls
Oct. 17.

7828 *Sporobolus* *argutus* *asper* (var.)
Open ground

7829 *Tridax* *flavus* *pulchra*
Along field

7830 *Chloris* *eliana*
Pacurri

7831 *Muhlenbergia*
Along edge of field

7632 Muhlenbergia
Woods along
stream

7633 Ancl. fene
1 Prairie

7634 ~~Eragrostis~~
1 Prairie

Mexico City Dist Fed.

7635 Panicum bulbosum
near Chapultepec Castle
1 Sept

7636 Chaetochloa ^{grisebachii}
1 same

7637 Stipa ^{stipa} ~~fle~~ ^{fusca}
1 same

7638 ^{Muhlenbergia} ~~Muhlenbergia~~ affinis
1 same

Epicamper

Indet.

7639 Epicamper
1 same

7640 Cenchrus pallidus
[et] edge of field, low
moist ground,
Balas Sept 9, 1910

7641 Bouteloua ^{californica} ~~brunoides~~
near Chapultepec castle
Mex. city. F H H Sept

